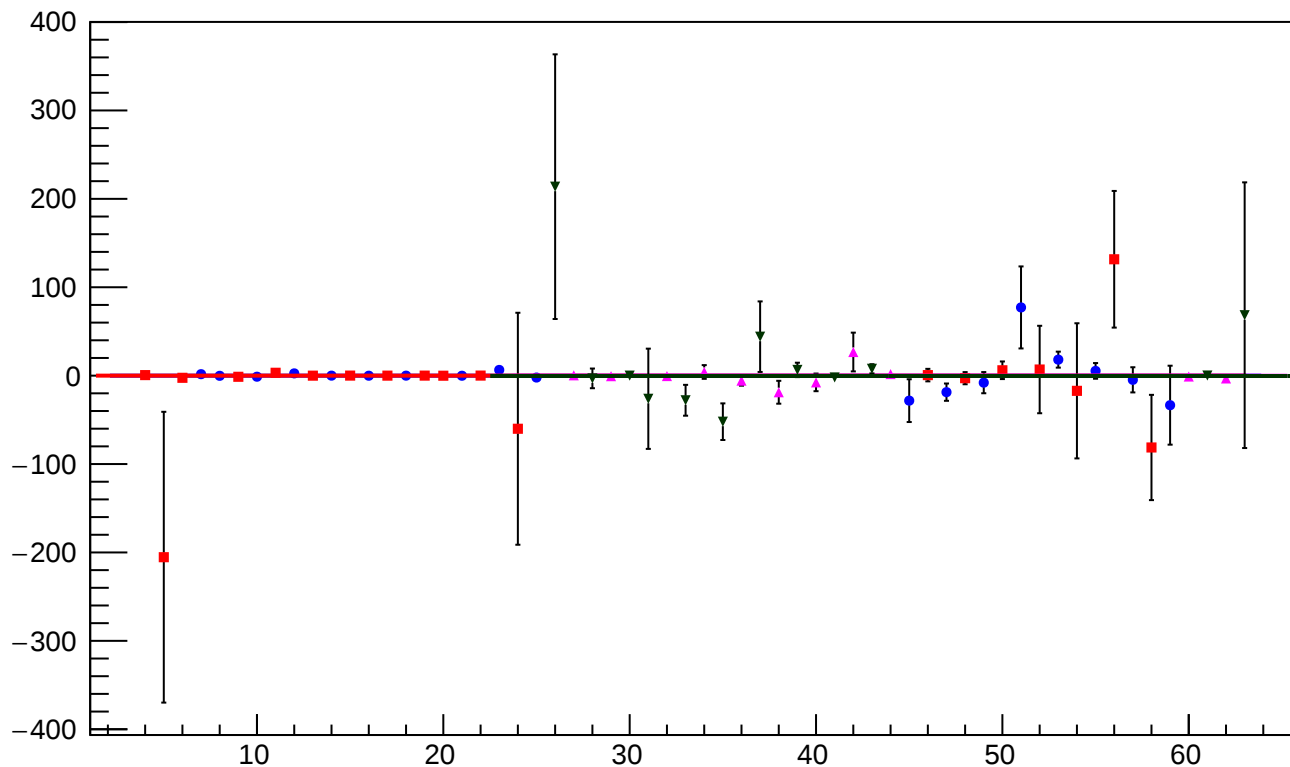


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

χ^2 /NDF: 31.2/17

Left Out: -0.404 $\pm$ 1.254

χ^2 /NDF: 16.4/11

Right Out: 0.017 $\pm$ 0.016

χ^2 /NDF: 24.7/18

Left In: -0.100 $\pm$ 0.167

χ^2 /NDF: 16.3/10

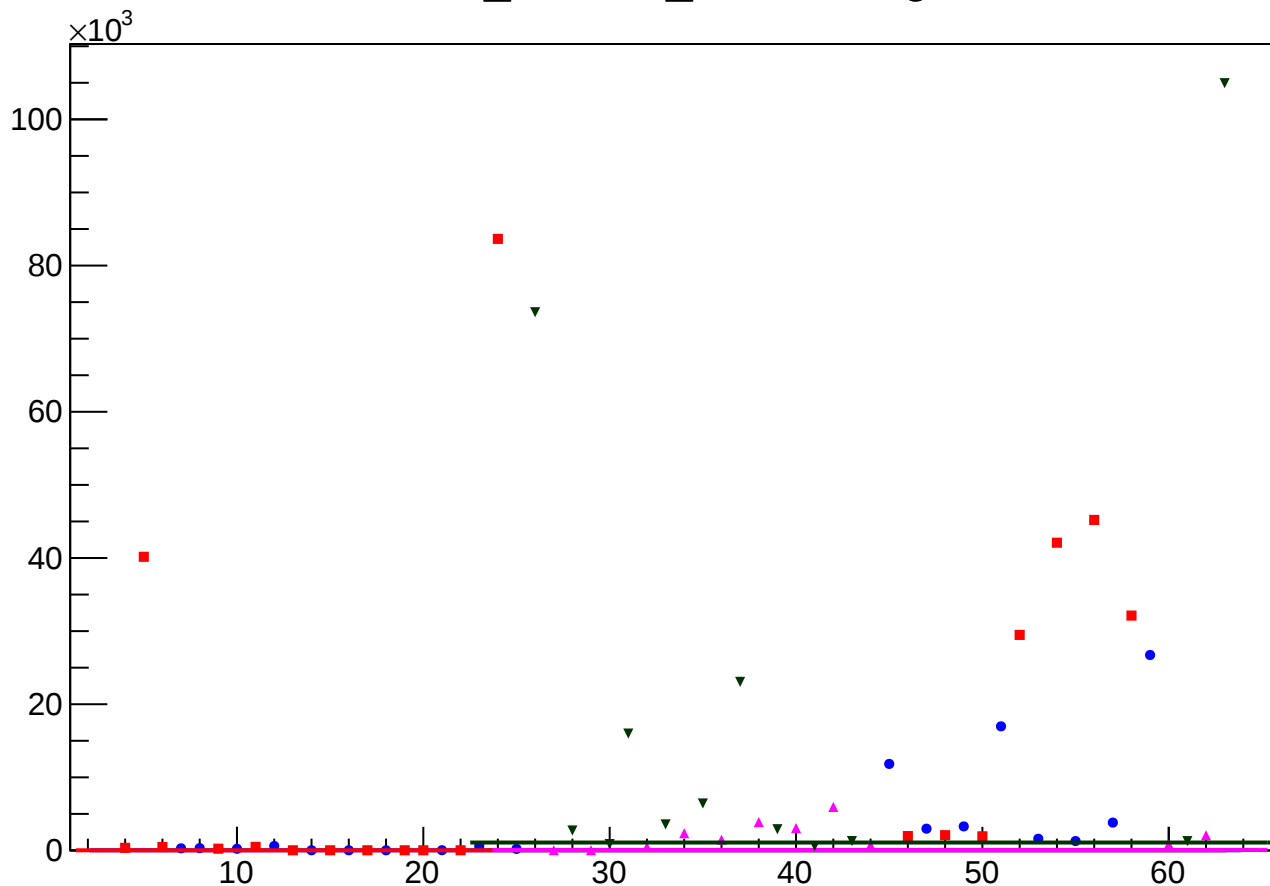
-0.014 $\pm$ 0.014

χ^2 /NDF: 47.7/29

0.016 $\pm$ 0.016

χ^2 /NDF: 41.5/29

diff_cav4bX_rms vs slug



Right In: 22.429+/-0.010 χ^2/NDF : 2804434.6/17

Left Out: 1084.574+/-0.887 χ^2/NDF :2626364.7/11

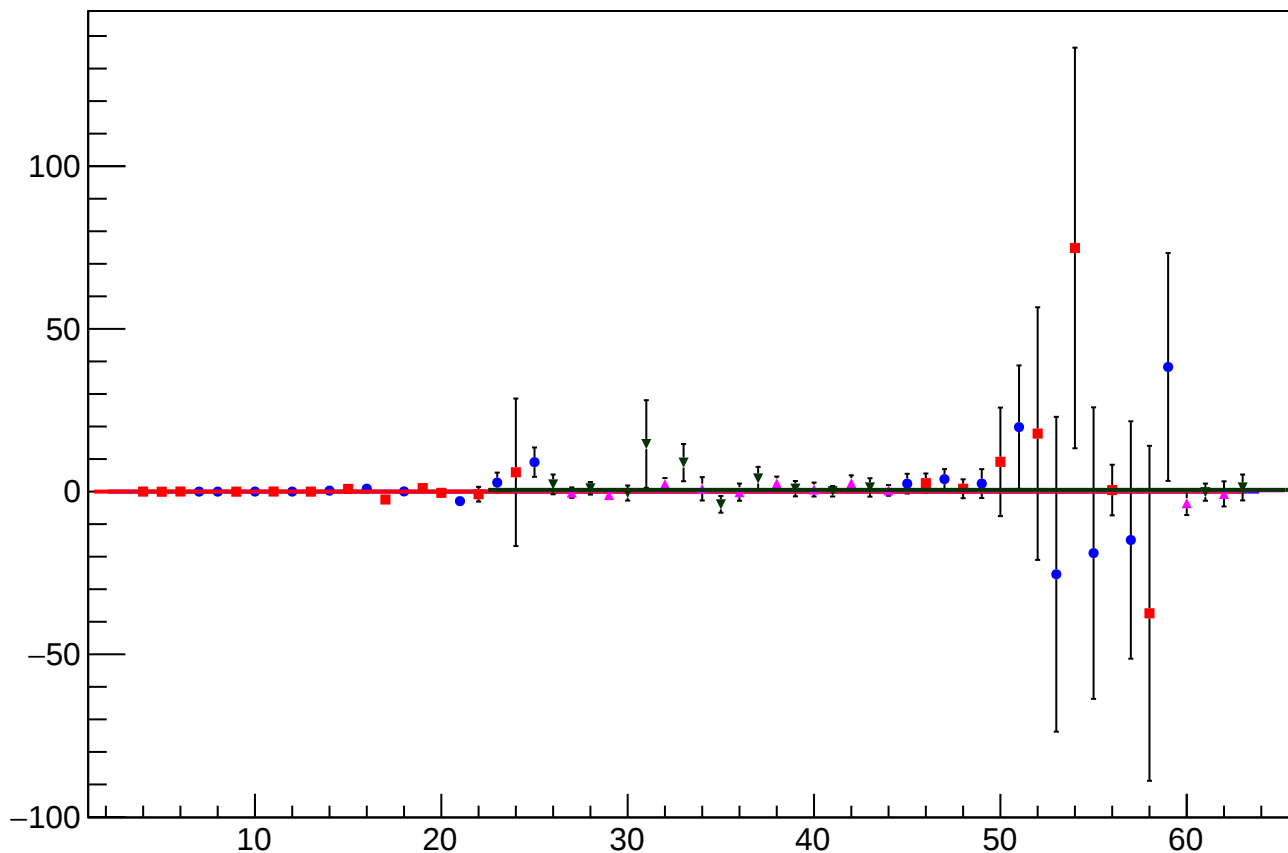
Right Out: 22.611 $\pm$ 0.011 χ^2 /NDF: 4395534.2/18

Left In: 72.556+/-0.118 χ^2/NDF :2432587.2/10

22.568+/-0.010 χ^2/NDF : 6865791.7/29

23.072+/-0.011 χ^2/NDF : 7004917.5/29

diff_cav4bY_mean vs slug



Right In: -0.001 $\pm$ 0.006 χ^2 /NDF: 23.6/17

Left Out: 0.536 $\pm$ 0.762 χ^2 /NDF: 8.0/11

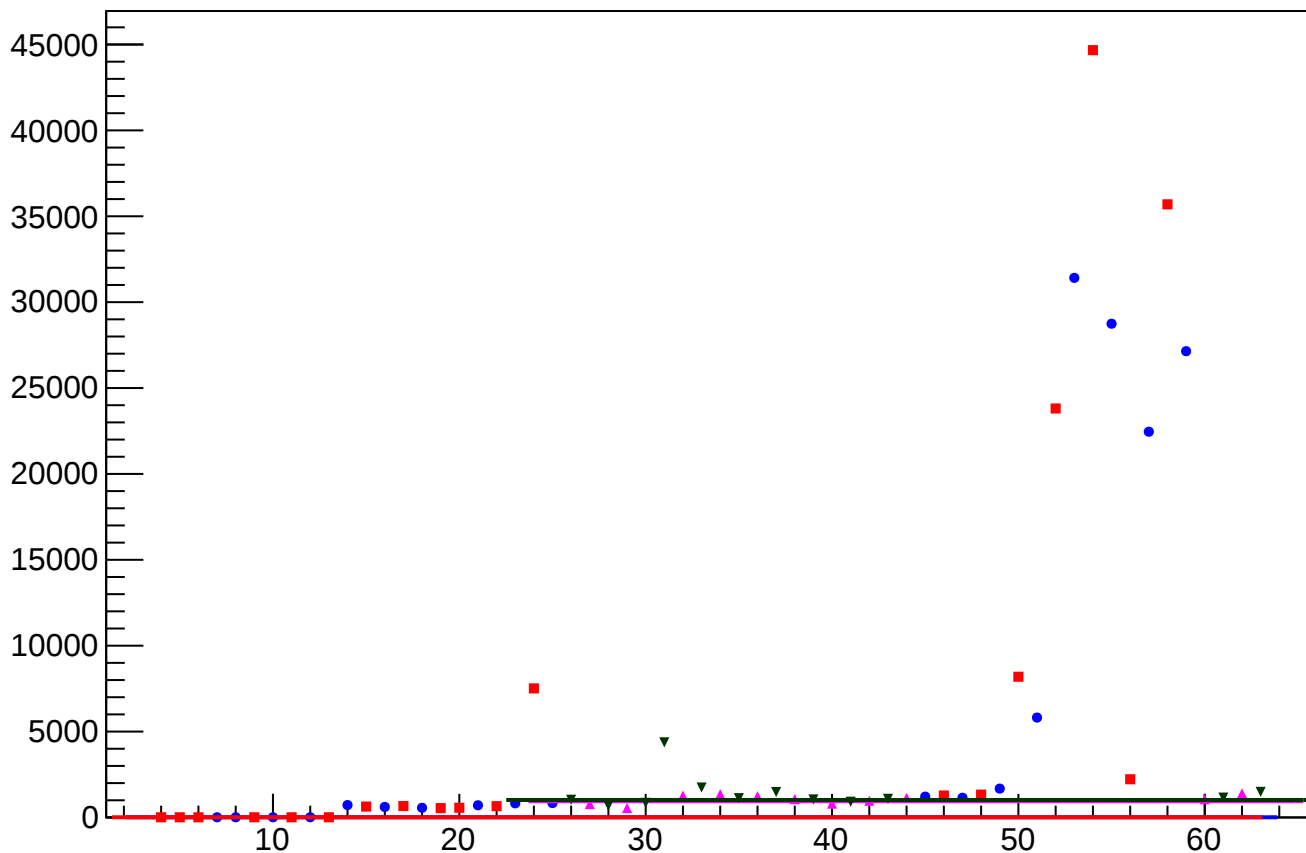
Right Out: 0.002 $\pm$ 0.005 χ^2 /NDF: 20.3/18

Left In: 0.387 $\pm$ 0.622 χ^2 /NDF: 5.6/10

-0.001 $\pm$ 0.006 χ^2 /NDF: 32.1/29

0.002 $\pm$ 0.005 χ^2 /NDF: 26.3/29

diff_cav4bY_rms vs slug



Right In: 10.507+/-0.005 χ^2/NDF : 8959205.7/17

Left Out: 1017.257+/-0.538 χ^2/NDF :306512.3/11

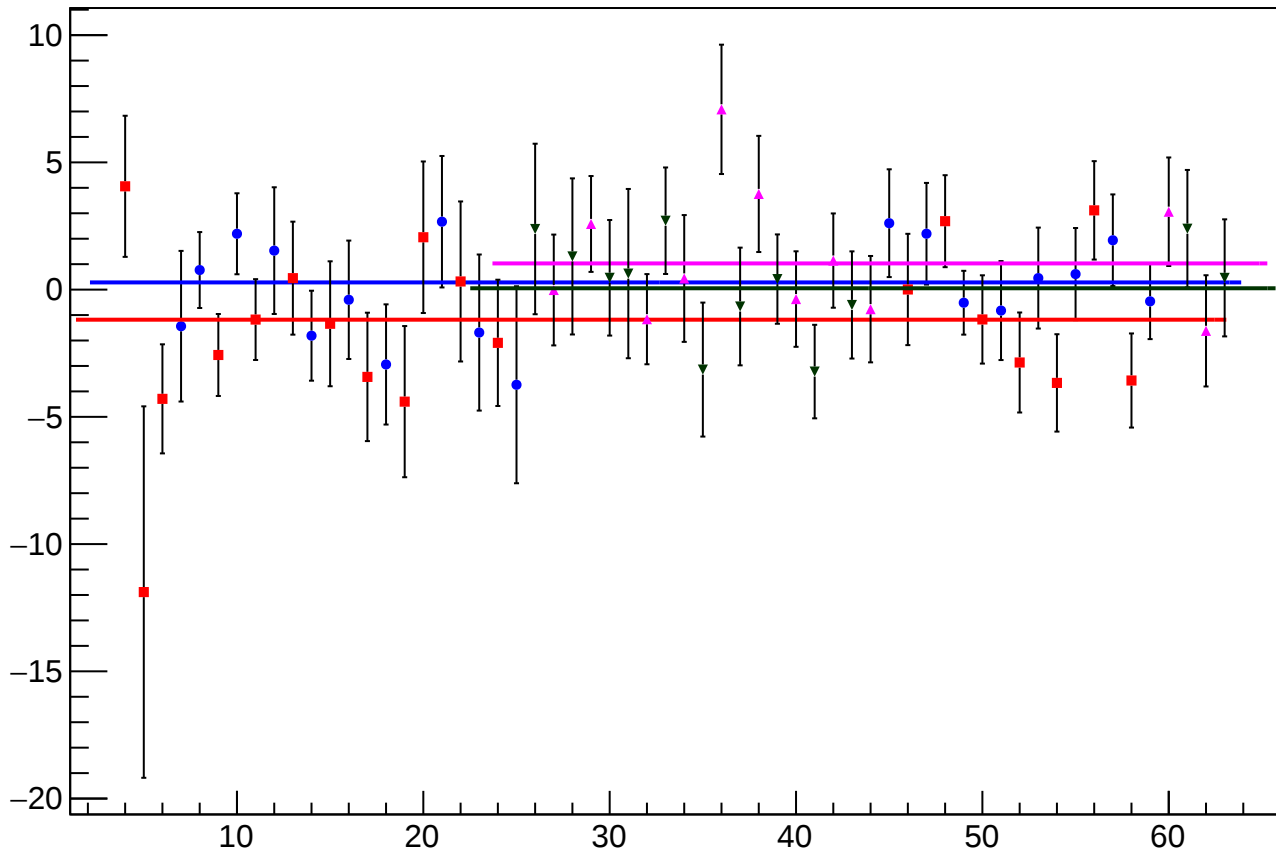
Right Out: 10.086+/-0.004 χ^2/NDF : 6750125.6/18

Left In: 945.796+/-0.440 χ^2/NDF :380589.5/10

10.580+/-0.005 χ^2/NDF : 12760876.7/29

10.158+/-0.004 χ^2/NDF : 11651671.6/29

diff_cav4cX_mean vs slug



Right In: 0.283 ± 0.455 χ^2/NDF : 11.8/17

Left Out: 0.053 ± 0.665 χ^2/NDF : 8.3/11

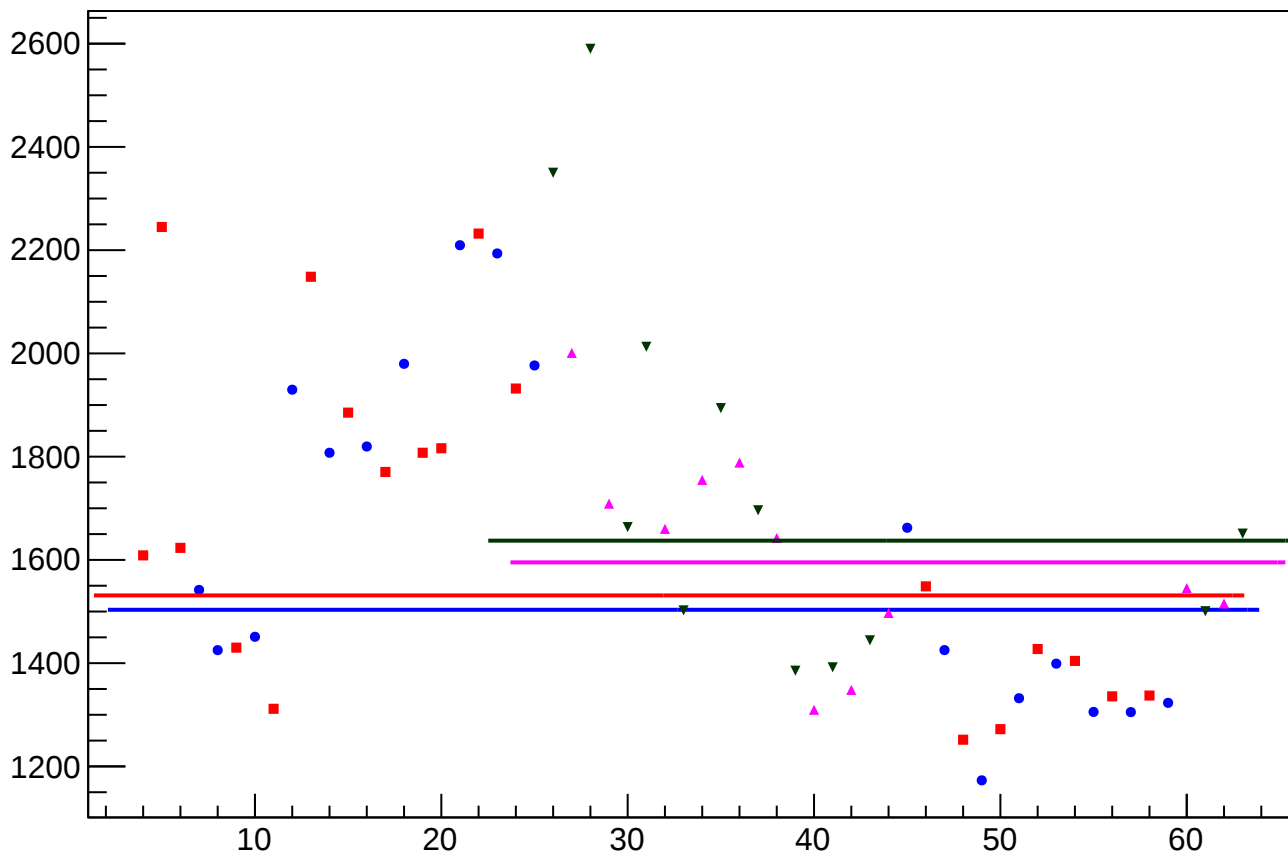
Right Out: -1.182 ± 0.494 χ^2/NDF : 26.5/18

Left In: 1.030 ± 0.626 χ^2/NDF : 13.3/10

0.209 ± 0.376 χ^2/NDF : 20.2/29

-0.334 ± 0.388 χ^2/NDF : 47.5/29

diff_cav4cX_rms vs slug



Right In: 1503.404+/-0.322 χ^2/NDF : 776769.4/17

Left Out: 1637.314+/-0.470 χ^2/NDF : 438604.8/11

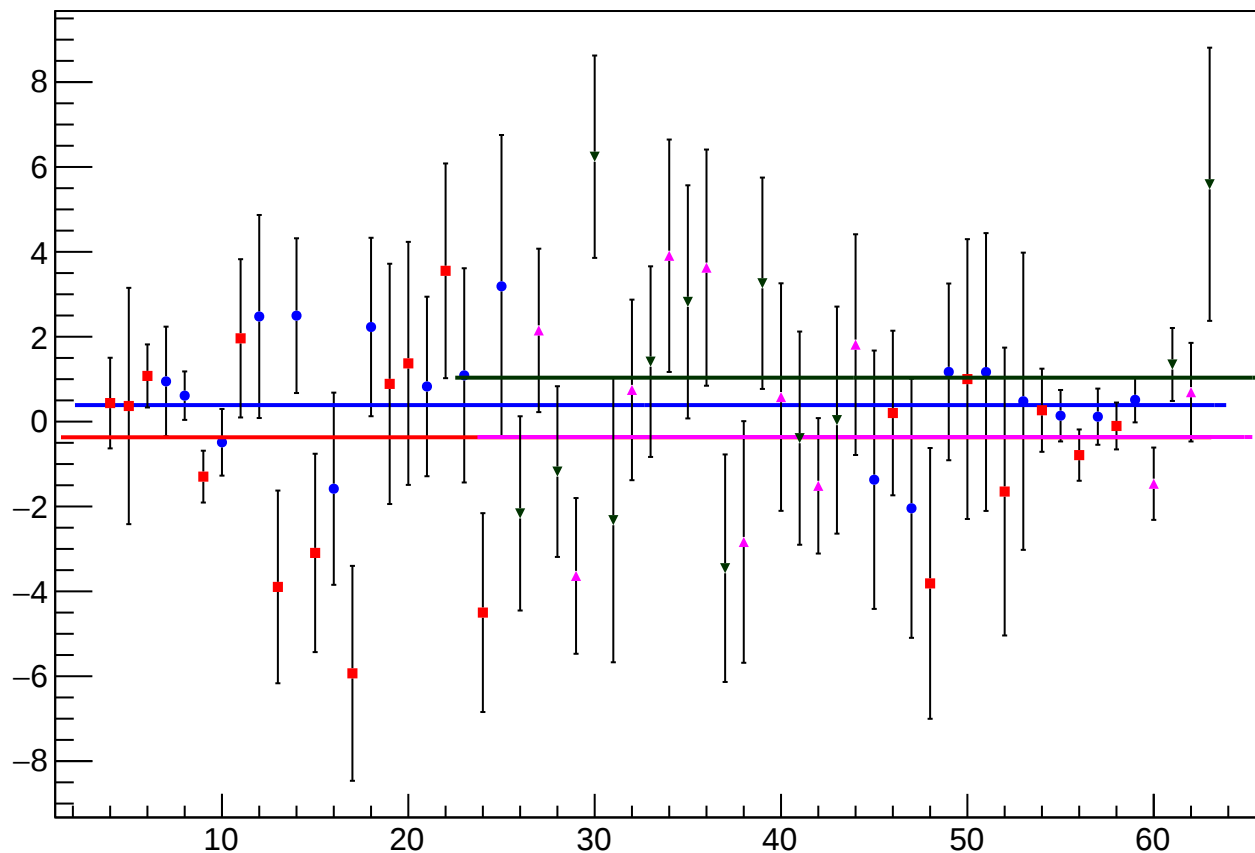
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

Left In: 1595.226+/-0.443 χ^2/NDF : 190062.9/10

1546.160+/-0.266 χ^2/NDF : 1270594.0/29

1555.761+/-0.274 χ^2/NDF : 824271.6/29

diff_cav4cY_mean vs slug



Right In: 0.389 ± 0.251 χ^2/NDF : 7.5/17

Left Out: 1.035 ± 0.570 χ^2/NDF : 15.6/11

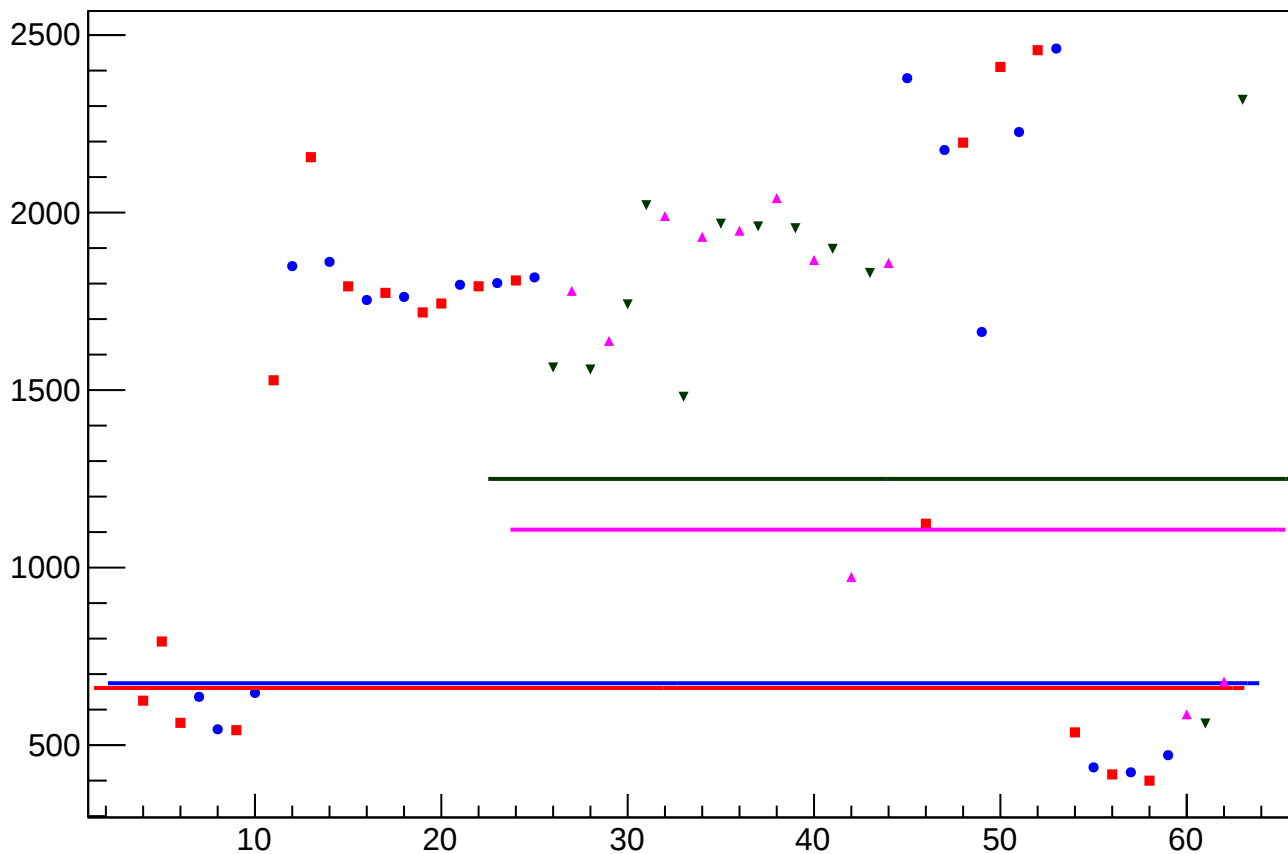
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: -0.363 ± 0.502 χ^2/NDF : 14.2/10

0.495 ± 0.230 χ^2/NDF : 24.2/29

-0.368 ± 0.233 χ^2/NDF : 39.9/29

diff_cav4cY_rms vs slug



Right In: 674.323+/-0.178 χ^2/NDF : 7013232.4/17

Left Out: 1249.834+/-0.403 χ^2/NDF :2467091.9/11

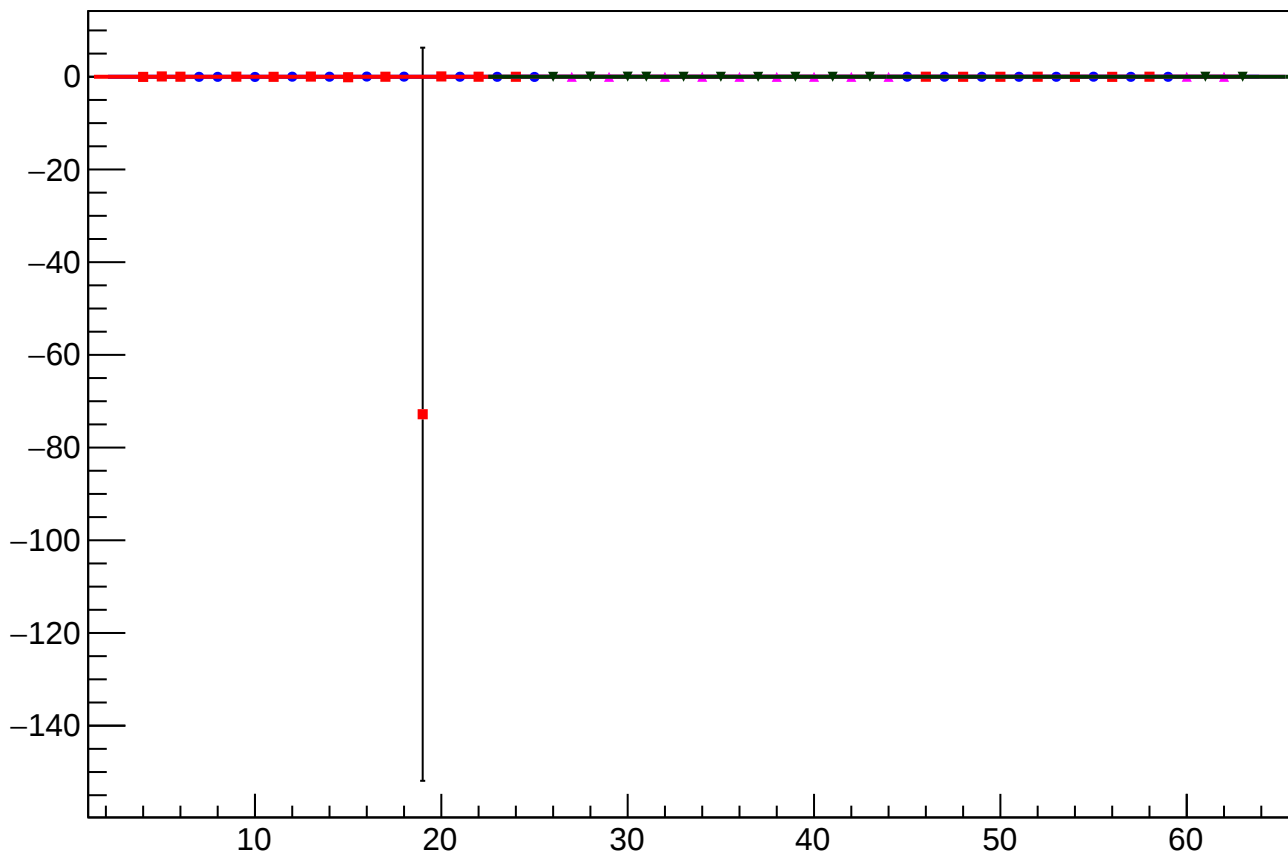
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

Left In: 1106.865+/-0.355 χ^2/NDF :2694166.4/10

768.205+/-0.163 χ^2/NDF : 11188822.8/29

756.662+/-0.164 χ^2/NDF : 10158280.4/29

diff_cav4dX_mean vs slug



Right In: -0.000 $\pm$ 0.004 χ^2 /NDF: 11.9/17

Left Out: 0.001 $\pm$ 0.004 χ^2 /NDF:8.8/11

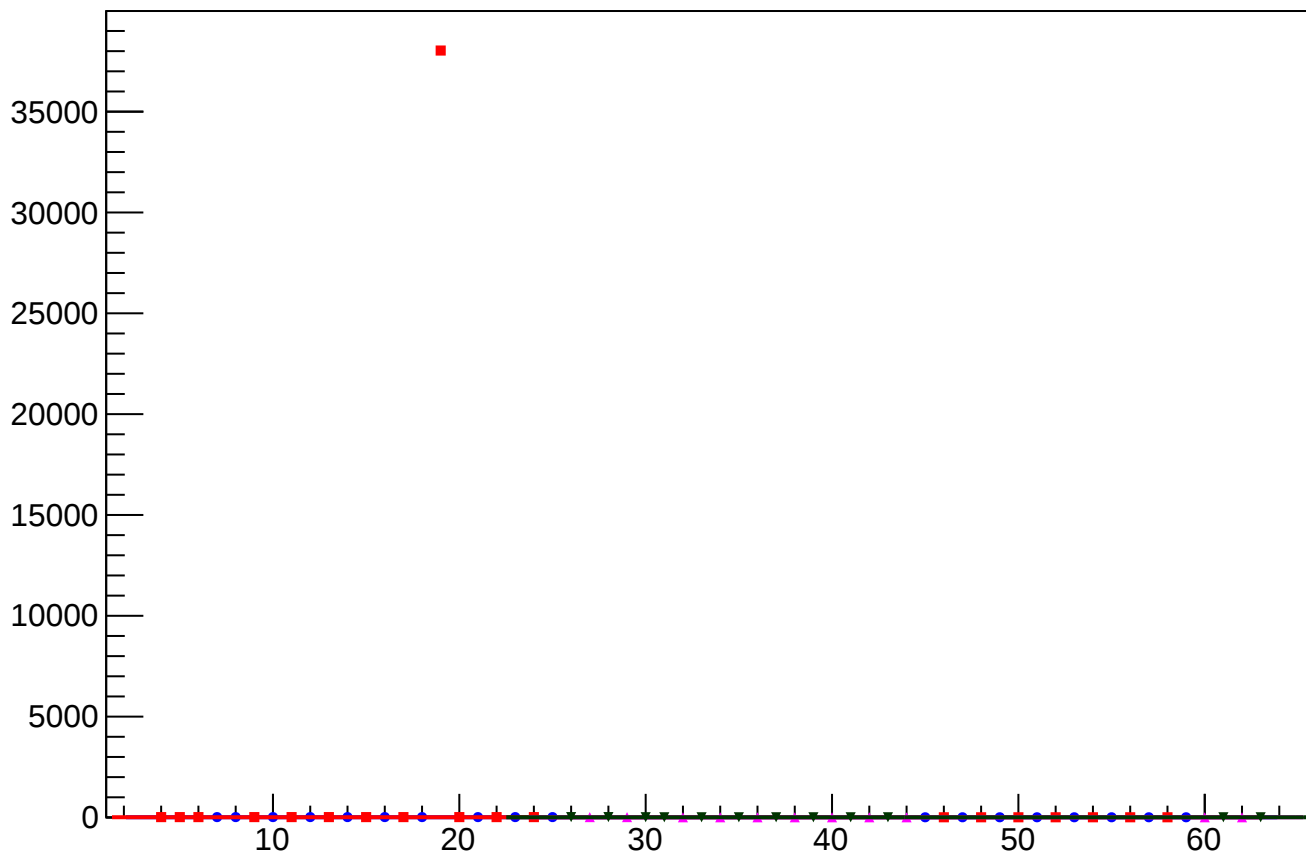
Right Out: 0.002 $\pm$ 0.004 χ^2 /NDF: 20.0/18

Left In: -0.002 $\pm$ 0.004 χ^2 /NDF:3.0/10

0.001 $\pm$ 0.003 χ^2 /NDF: 20.8/29

0.000 $\pm$ 0.003 χ^2 /NDF: 23.5/29

diff_cav4dX_rms vs slug



Right In: 10.593+/-0.003 χ^2/NDF : 1953039.1/17

Left Out: 9.217+/-0.003 χ^2/NDF : 601820.5/11

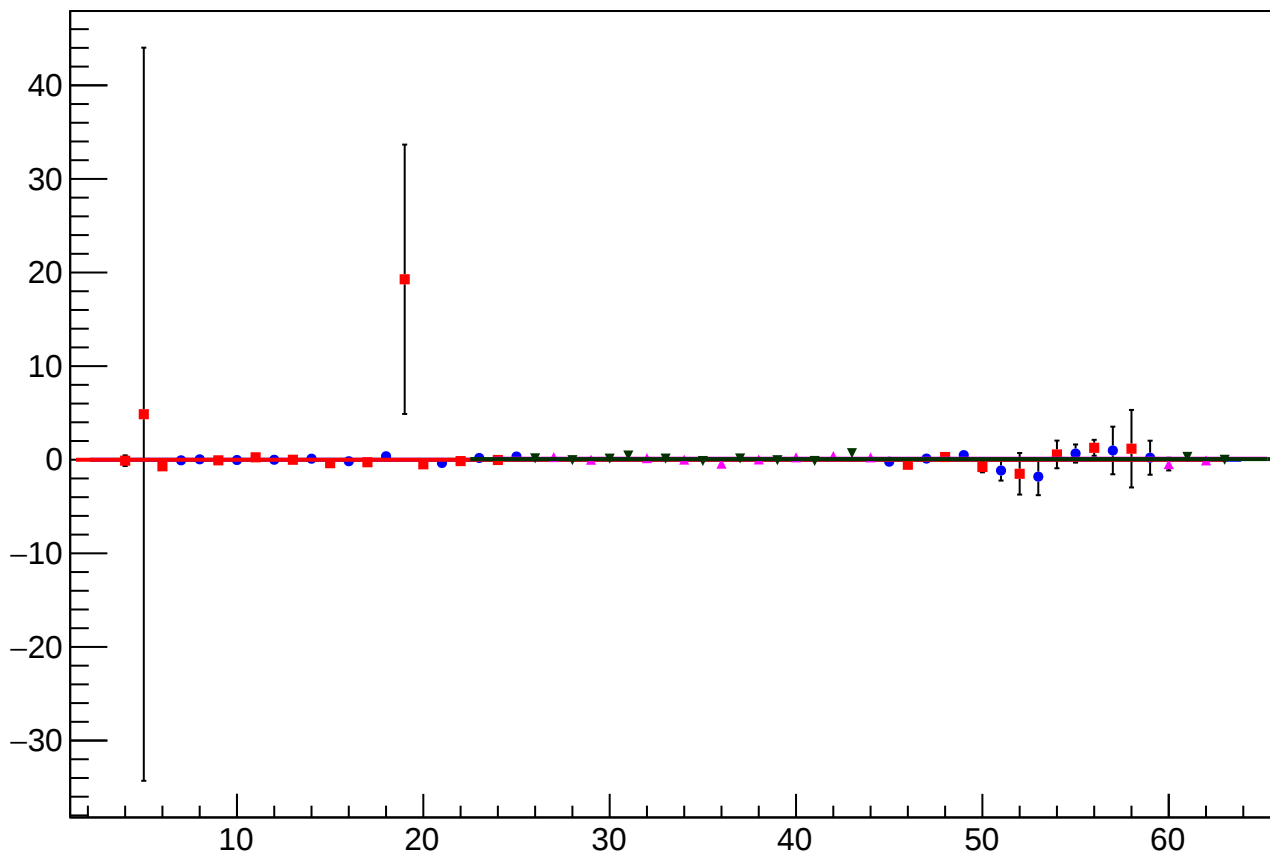
Right Out: 11.097+/-0.003 χ^2/NDF : 2257827.7/18

Left In: 9.238+/-0.003 χ^2/NDF : 765292.1/10

9.943+/-0.002 χ^2/NDF : 2691129.5/29

10.077+/-0.002 χ^2/NDF : 3246502.8/29

diff_cav4dY_mean vs slug



Right In: -0.003+/-0.003 χ^2 /NDF: 20.9/17

Left Out: 0.068+/-0.055 χ^2 /NDF:12.7/11

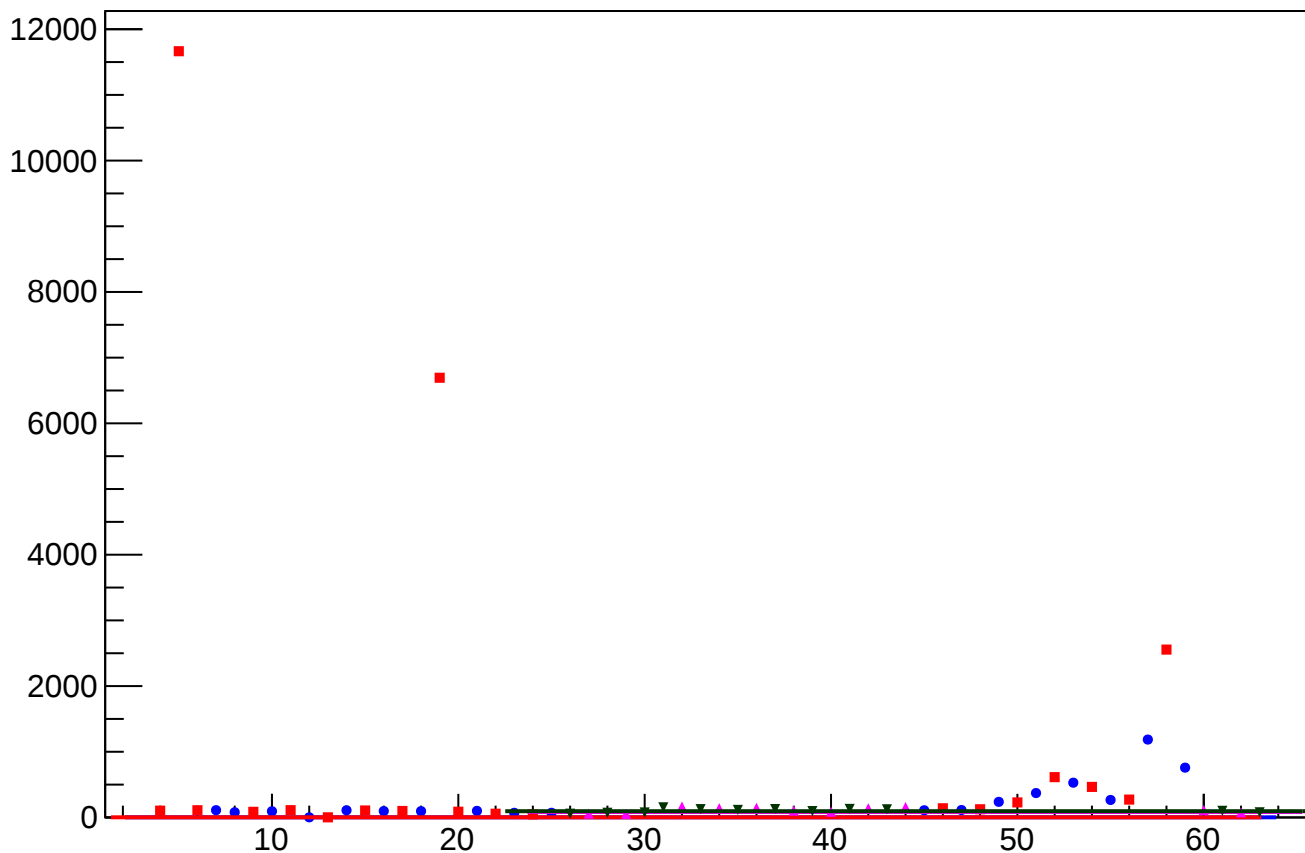
Right Out: -0.003+/-0.003 χ^2 /NDF: 21.1/18

Left In: 0.114+/-0.052 χ^2 /NDF:11.2/10

-0.002+/-0.003 χ^2 /NDF: 35.2/29

-0.002+/-0.003 χ^2 /NDF: 37.3/29

diff_cav4dY_rms vs slug



Right In: 2.214+/-0.002 χ^2/NDF : 9160380.4/17

Left Out: 95.126+/-0.039 χ^2/NDF : 449145.0/11

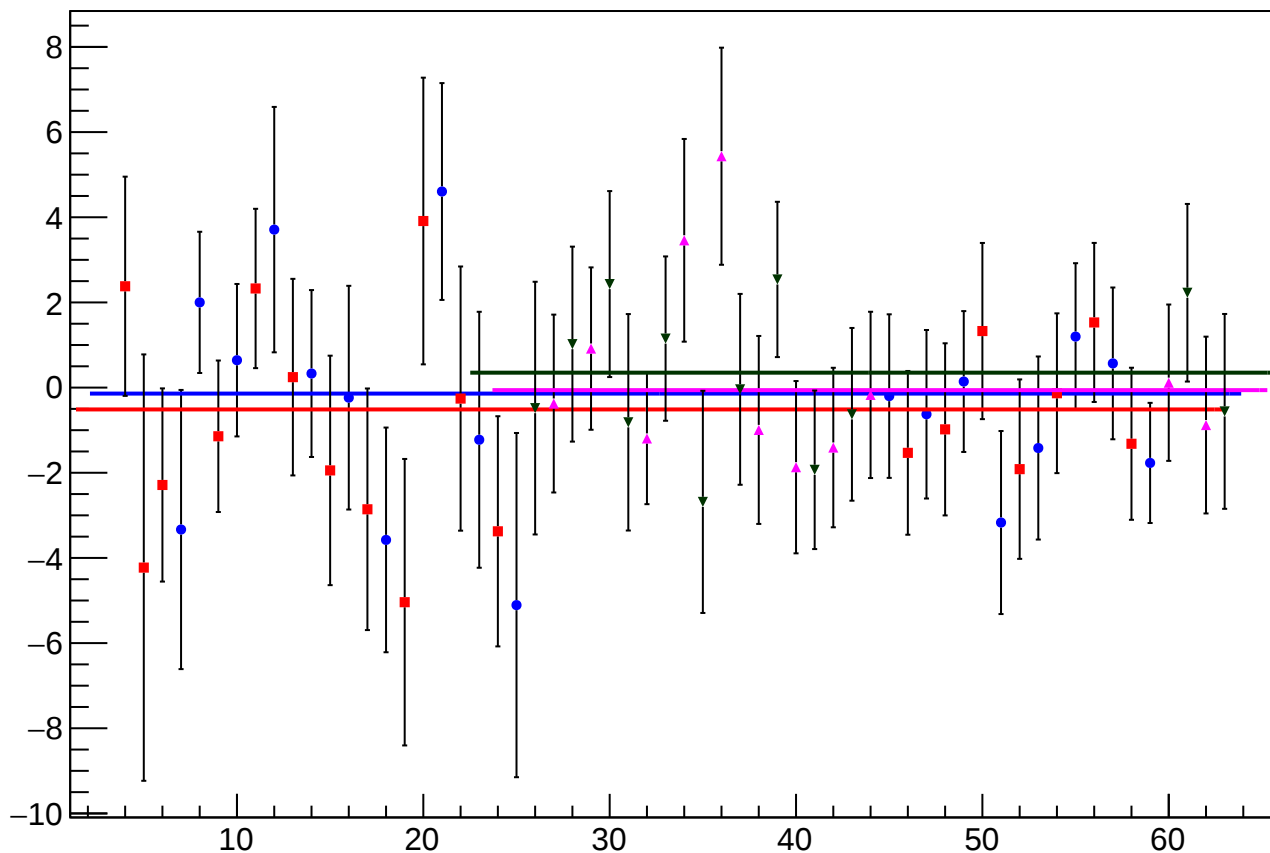
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

Left In: 82.844+/-0.037 χ^2/NDF : 1083320.4/10

2.501+/-0.002 χ^2/NDF : 15234028.5/29

2.375+/-0.002 χ^2/NDF : 12647973.6/29

diff_bpm4aX_mean vs slug



Right In: -0.141 ± 0.485 χ^2/NDF : 16.0/17

Left Out: 0.351 ± 0.628 χ^2/NDF : 7.0/11

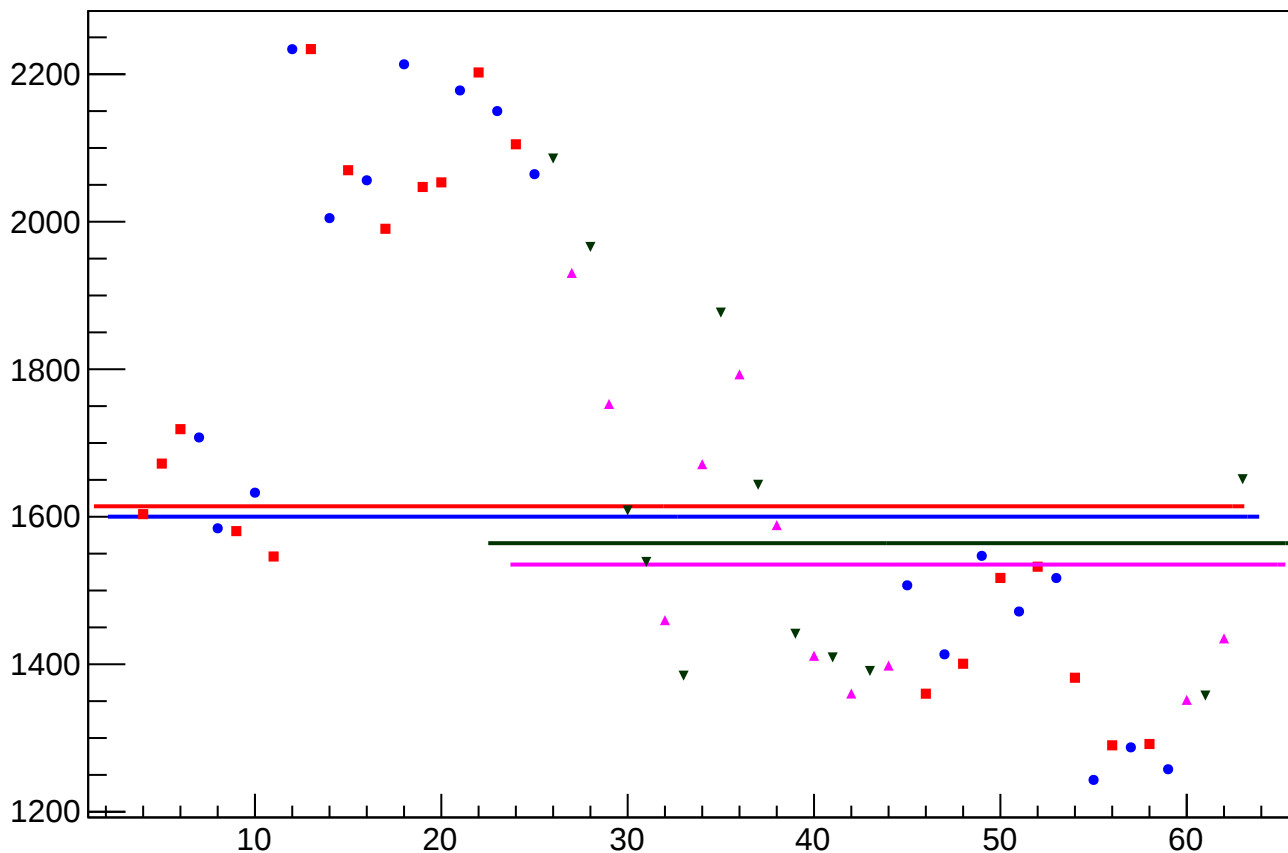
Right Out: -0.513 ± 0.519 χ^2/NDF : 13.6/18

Left In: -0.060 ± 0.600 χ^2/NDF : 9.3/10

0.043 ± 0.384 χ^2/NDF : 23.4/29

-0.319 ± 0.392 χ^2/NDF : 23.3/29

diff_bpm4aX_rms vs slug



Right In: 1600.111+/-0.343 χ^2/NDF : 849754.6/17

Left Out: 1564.173+/-0.444 χ^2/NDF : 232958.1/11

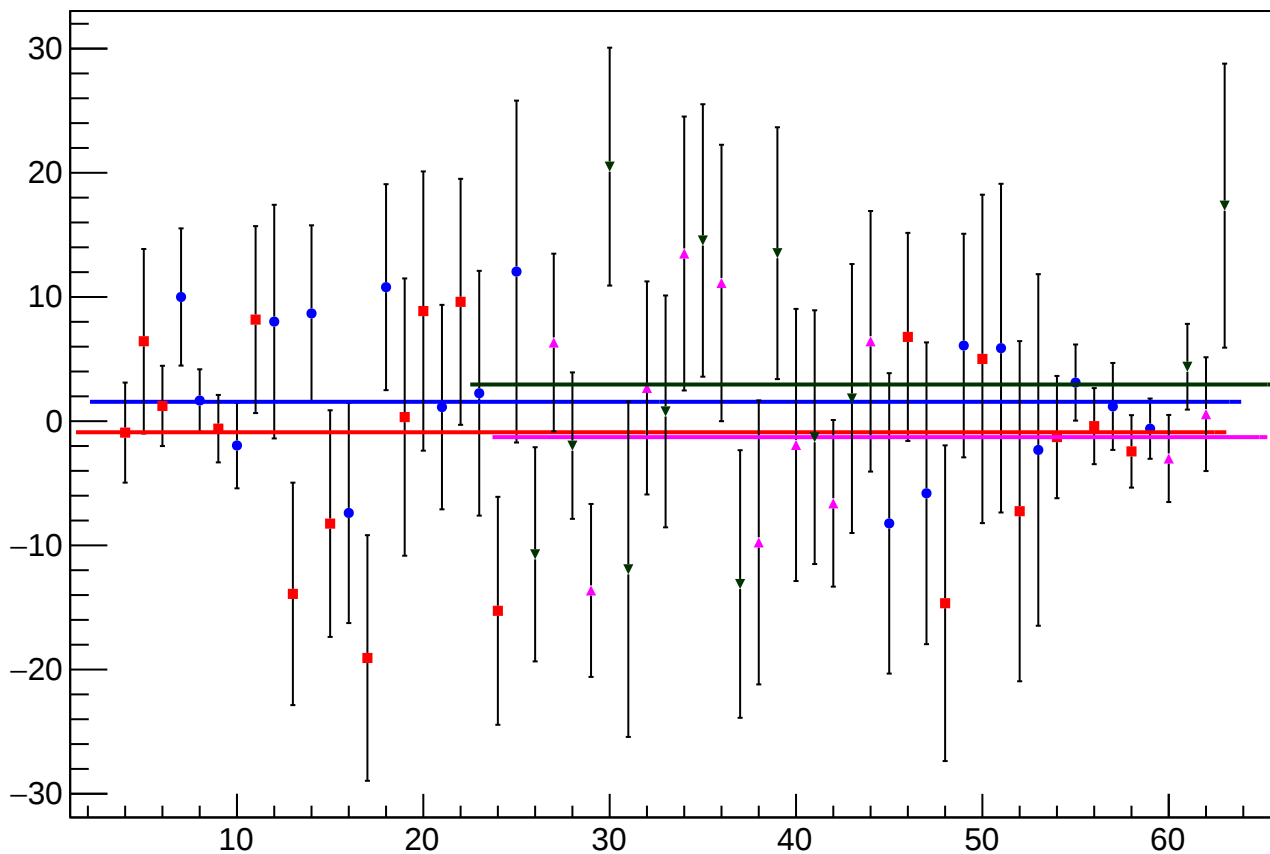
Right Out: 1614.182+/-0.367 χ^2/NDF : 670373.5/18

Left In: 1535.178+/-0.424 χ^2/NDF : 190119.2/10

1586.664+/-0.272 χ^2/NDF : 1086814.0/29

1580.352+/-0.277 χ^2/NDF : 880339.2/29

diff_bpm4aY_mean vs slug



Right In: 1.560 ± 1.148 χ^2/NDF : 10.2/17

Left Out: 2.953 ± 2.201 χ^2/NDF : 14.2/11

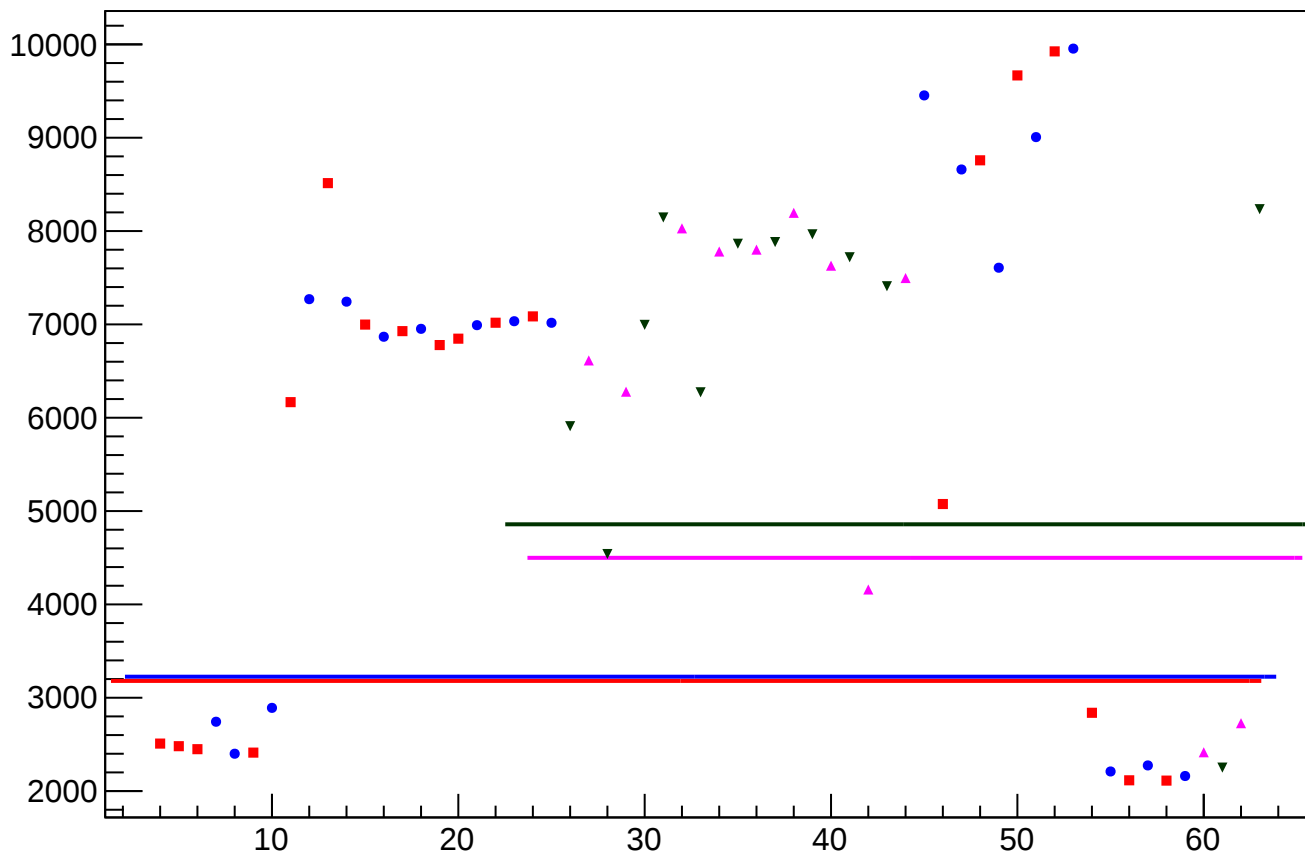
Right Out: -0.892 ± 1.197 χ^2/NDF : 16.1/18

Left In: -1.285 ± 2.015 χ^2/NDF : 9.7/10

1.858 ± 1.018 χ^2/NDF : 24.7/29

-0.994 ± 1.029 χ^2/NDF : 25.8/29

diff_bpm4aY_rms vs slug



Right In: 3225.359+/-0.812 χ^2/NDF : 5860780.1/17

Left Out: 4858.189+/-1.556 χ^2/NDF : 2377878.2/11

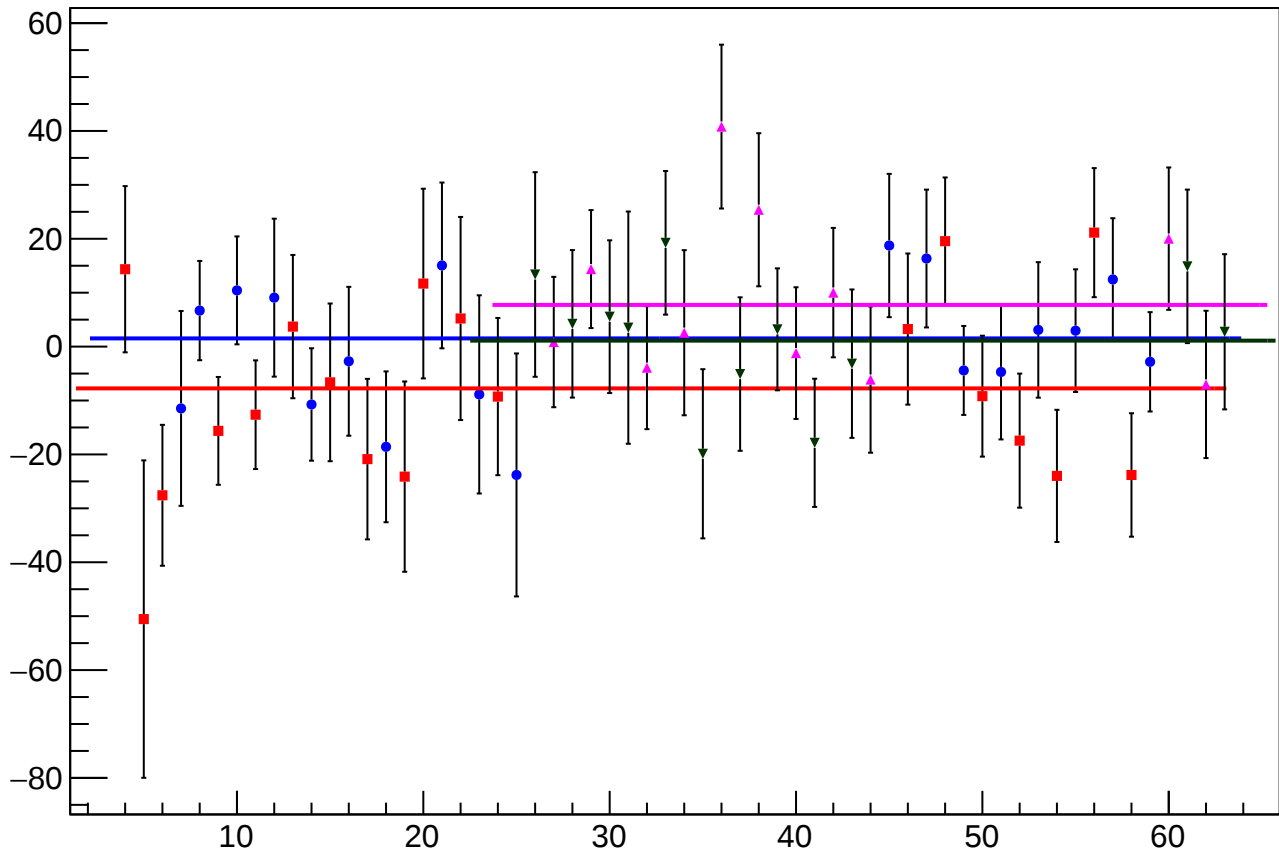
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 4499.023+/-1.425 χ^2/NDF : 2542141.9/10

3574.700+/-0.720 χ^2/NDF : 9103808.2/29

3524.027+/-0.728 χ^2/NDF : 8228769.4/29

diff_bpm4eX_mean vs slug



Right In: 1.521 ± 2.832 χ^2/NDF : 12.8/17

Left Out: 1.108 ± 4.089 χ^2/NDF : 8.0/11

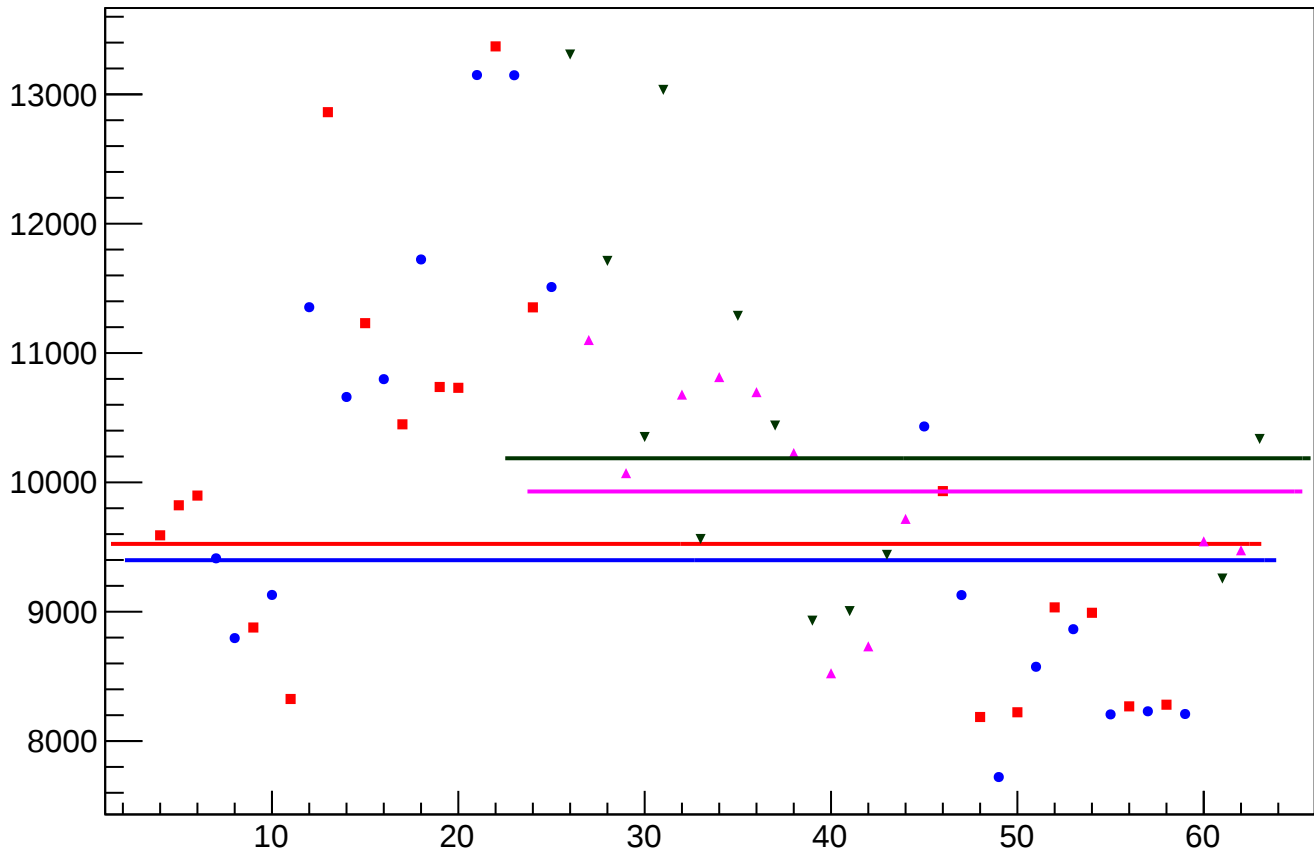
Right Out: -7.752 ± 3.046 χ^2/NDF : 27.5/18

Left In: 7.731 ± 3.875 χ^2/NDF : 11.8/10

1.387 ± 2.328 χ^2/NDF : 20.8/29

-1.839 ± 2.394 χ^2/NDF : 49.2/29

diff_bpm4eX_rms vs slug



Right In: 9398.368+/-2.003 χ^2/NDF : 554872.2/17

Left Out: 10186.384+/-2.891 χ^2/NDF :188141.8/11

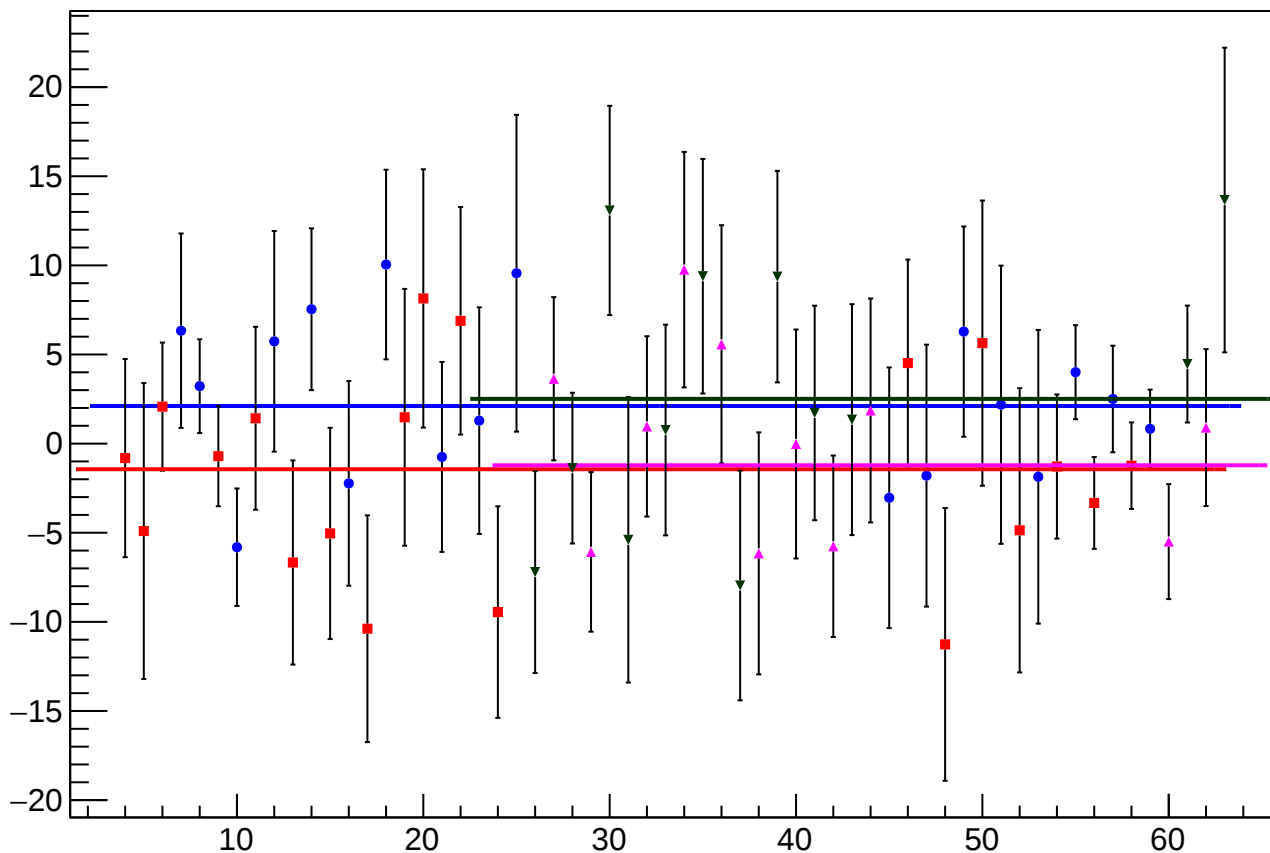
Right Out: 9524.317+/-2.154 χ^2/NDF : 440161.2/18

Left In: 9929.641+/-2.740 χ^2/NDF :91184.6/10

9653.887+/-1.646 χ^2/NDF : 793213.5/29

9679.116+/-1.693 χ^2/NDF : 544874.2/29

diff_bpm4eY_mean vs slug



Right In: 2.110 $\pm$ 0.979 χ^2 /NDF: 14.5/17

Left Out: 2.510 $\pm$ 1.593 χ^2 /NDF:15.3/11

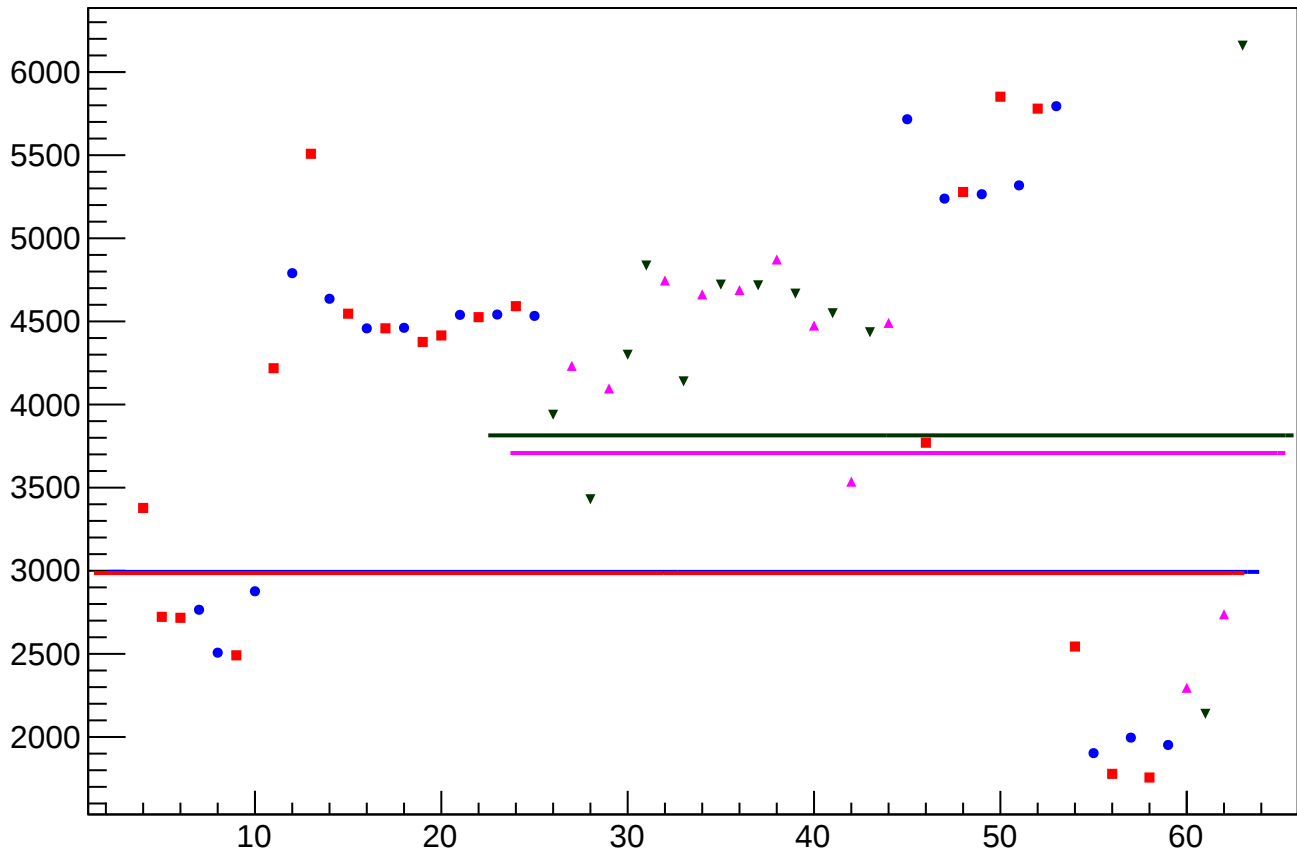
Right Out: -1.438 $\pm$ 1.040 χ^2 /NDF: 14.4/18

Left In: -1.216 $\pm$ 1.508 χ^2 /NDF:9.9/10

2.219 $\pm$ 0.834 χ^2 /NDF: 29.8/29

-1.366 $\pm$ 0.856 χ^2 /NDF: 24.2/29

diff_bpm4eY_rms vs slug



Right In: 2993.228 $\pm$ 0.692 χ^2 /NDF: 3318124.3/17

Left Out: 3814.441 $\pm$ 1.126 χ^2 /NDF:908598.4/11

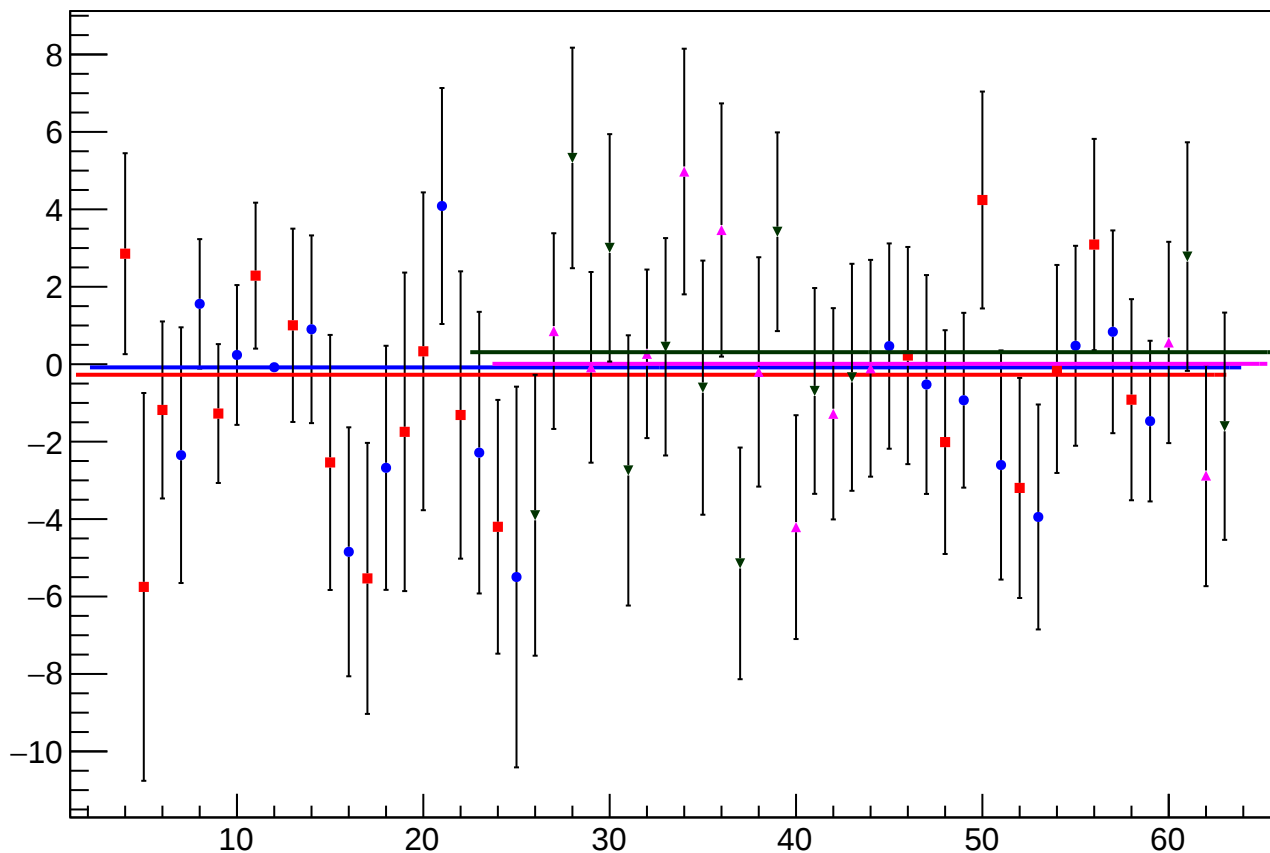
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

Left In: 3708.298 $\pm$ 1.066 χ^2 /NDF:811761.4/10

3218.391 $\pm$ 0.590 χ^2 /NDF: 4612490.9/29

3218.939 $\pm$ 0.606 χ^2 /NDF: 4068151.2/29

diff_bpm4acX_mean vs slug



Right In: -0.082 ± 0.060 $\chi^2/\text{NDF}: 11.3/17$

Left Out: 0.311 ± 0.855 $\chi^2/\text{NDF}: 12.2/11$

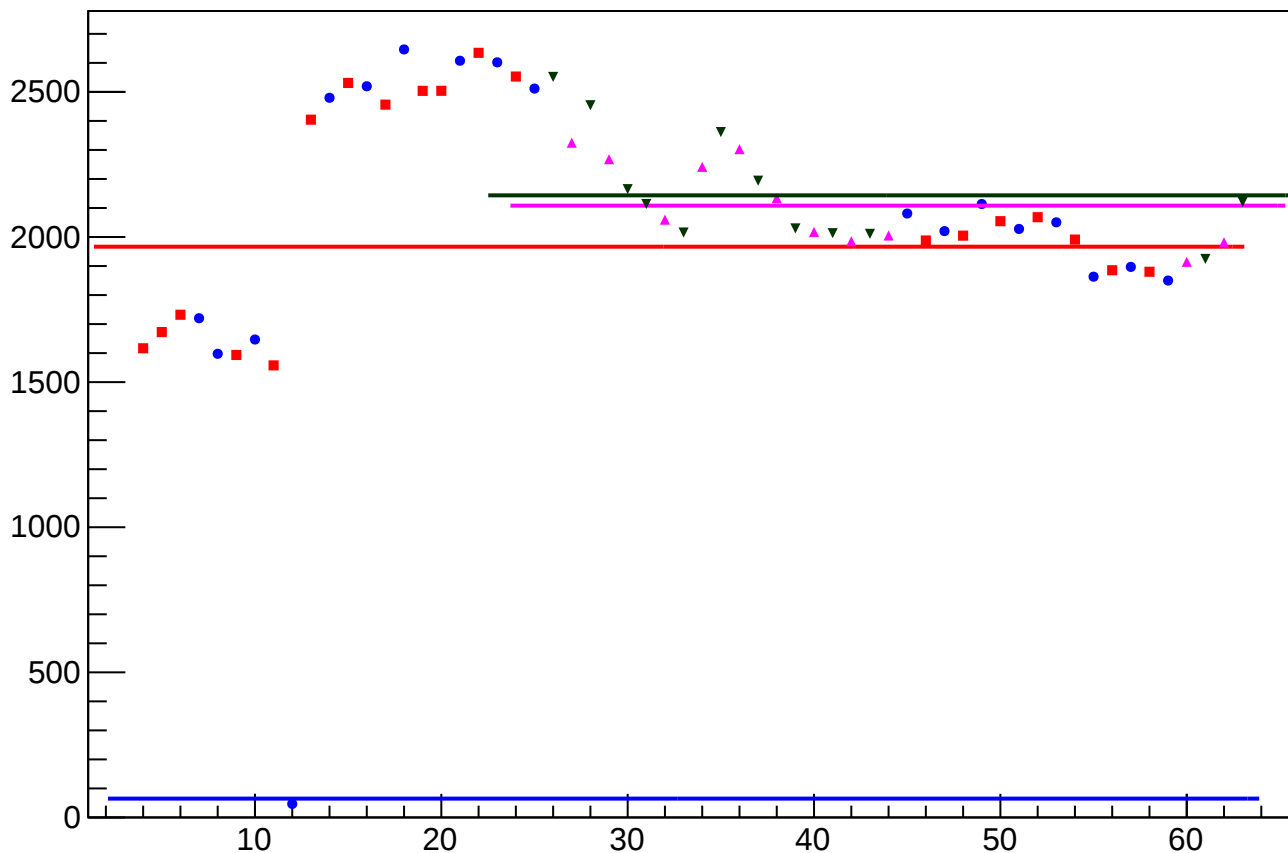
Right Out: -0.272 ± 0.631 $\chi^2/\text{NDF}: 15.3/18$

Left In: 0.010 ± 0.819 $\chi^2/\text{NDF}: 7.1/10$

-0.080 ± 0.060 $\chi^2/\text{NDF}: 23.7/29$

-0.167 ± 0.500 $\chi^2/\text{NDF}: 22.4/29$

diff_bpm4acX_rms vs slug



Right In: 64.916+/-0.042 χ^2 /NDF: 20258480.2/17

Left Out: 2143.552+/-0.604 χ^2 /NDF:86875.9/11

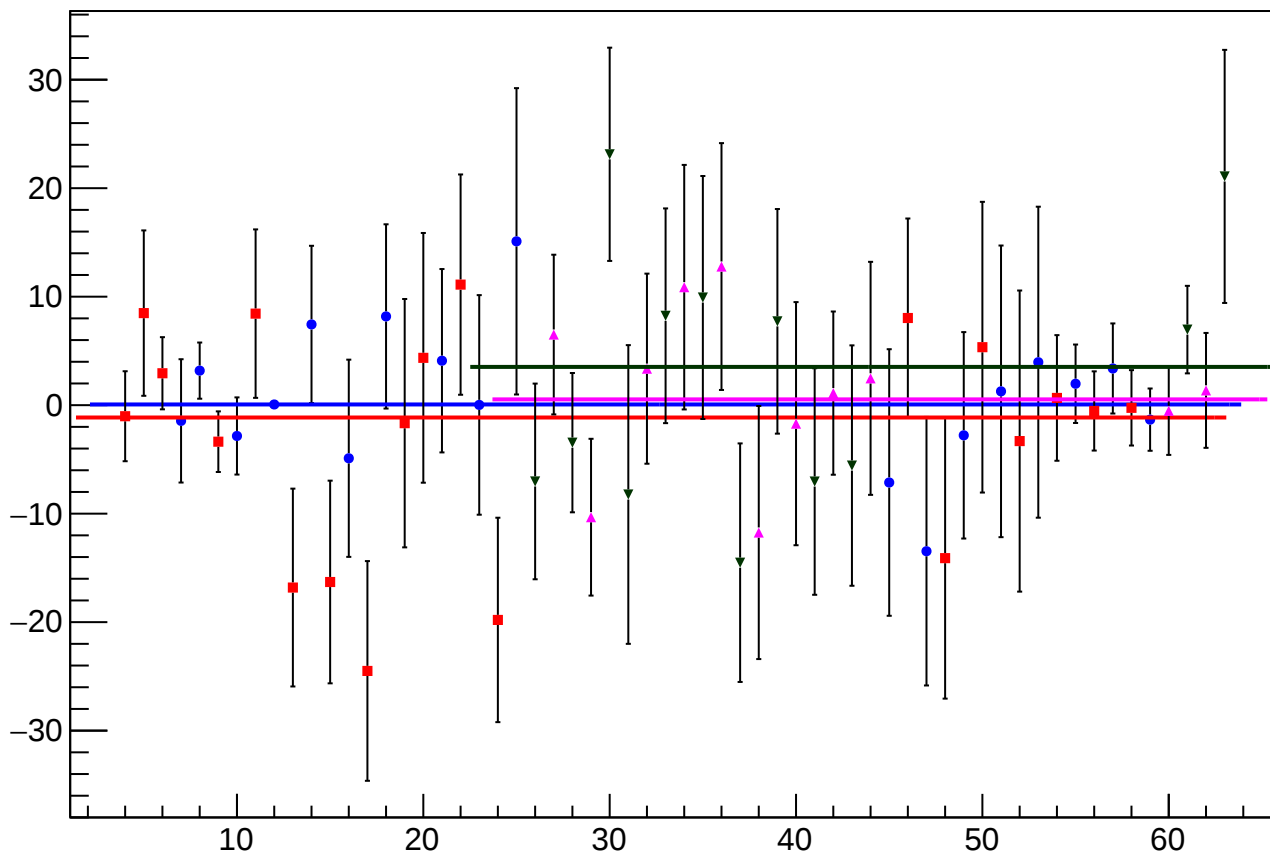
Right Out: 1966.634+/-0.446 χ^2 /NDF: 610680.3/18

Left In: 2108.135+/-0.579 χ^2 /NDF:58631.4/10

75.126+/-0.042 χ^2 /NDF: 32121241.8/29

2019.379+/-0.353 χ^2 /NDF: 706775.6/29

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 $\chi^2/\text{NDF}: 8.7/17$

Left Out: 3.527 ± 2.397 $\chi^2/\text{NDF}: 15.4/11$

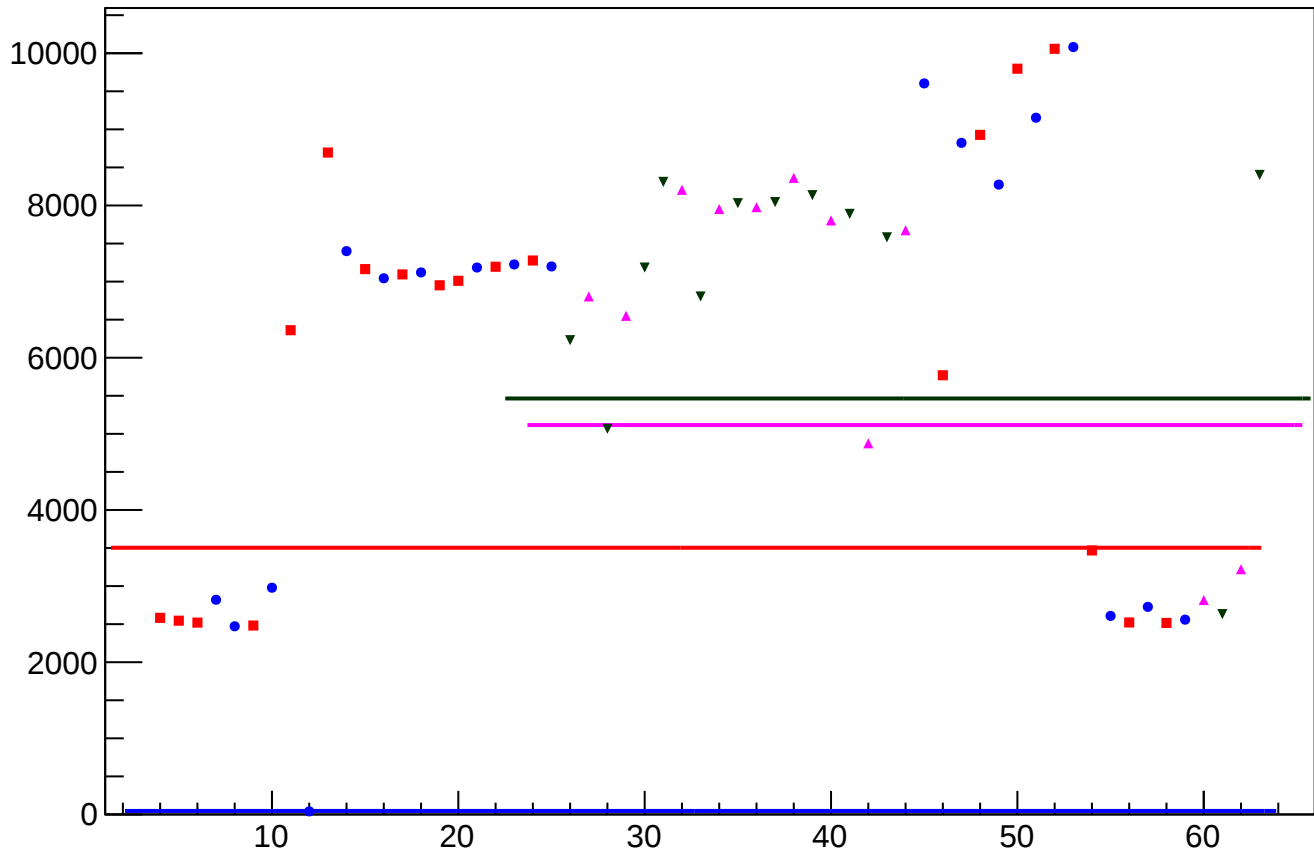
Right Out: -1.137 ± 1.295 $\chi^2/\text{NDF}: 24.2/18$

Left In: 0.534 ± 2.214 $\chi^2/\text{NDF}: 6.3/10$

0.067 ± 0.052 $\chi^2/\text{NDF}: 26.1/29$

-0.711 ± 1.118 $\chi^2/\text{NDF}: 31.0/29$

diff_bpm4acY_rms vs slug



Right In: 46.257+/-0.037 χ^2/NDF : 20176828.9/17

Left Out: 5464.620+/-1.695 χ^2/NDF :1847516.9/11

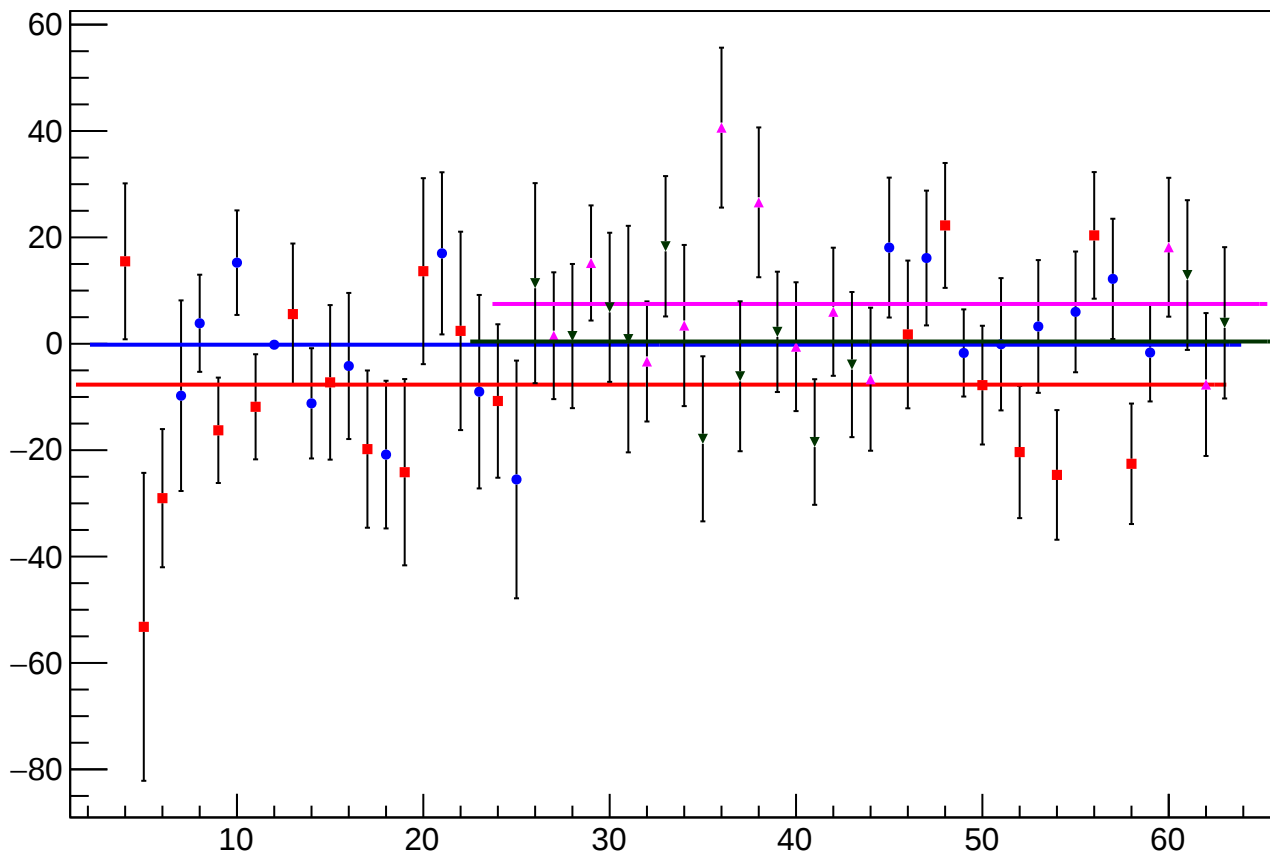
48.814+/-0.037 χ^2/NDF : 32241284.1/29

Right Out: 3503.720+/-0.916 χ^2/NDF : 4669685.2/18

3914.816+/-0.790 χ^2/NDF : 7427398.6/29

Left In: 5115.515+/-1.565 χ^2/NDF :1967776.2/10

diff_bpm4ecX_mean vs slug



Right In: -0.174 ± 0.106 χ^2/NDF : 14.4/17

Left Out: 0.427 ± 4.054 χ^2/NDF : 7.5/11

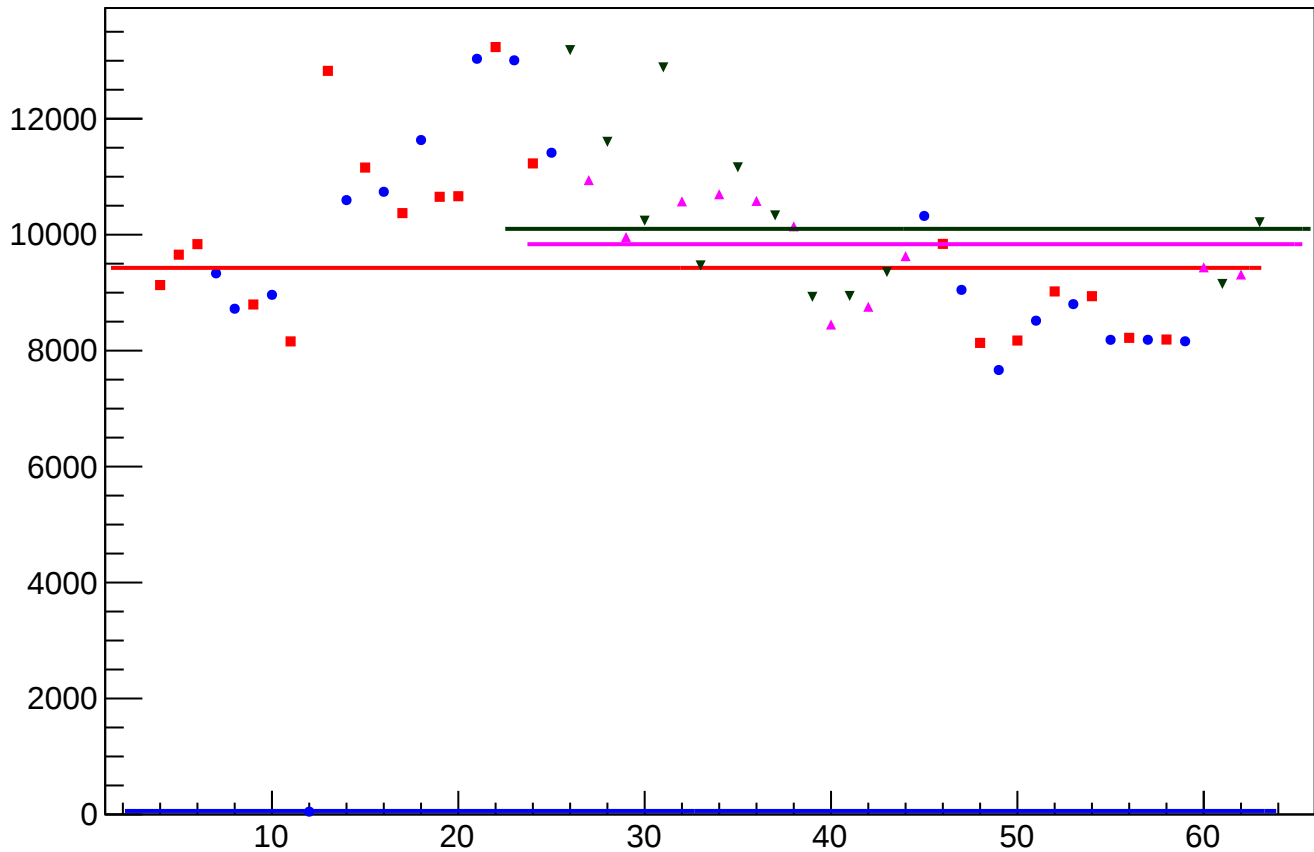
Right Out: -7.679 ± 3.015 χ^2/NDF : 30.2/18

Left In: 7.483 ± 3.837 χ^2/NDF : 12.0/10

-0.173 ± 0.106 χ^2/NDF : 21.9/29

-1.890 ± 2.371 χ^2/NDF : 51.8/29

diff_bpm4ecX_rms vs slug



Right In: 60.738 ± 0.075 χ^2/NDF : 21121924.5/17

Left Out: 10100.375 ± 2.866 χ^2/NDF : 183104.5/11

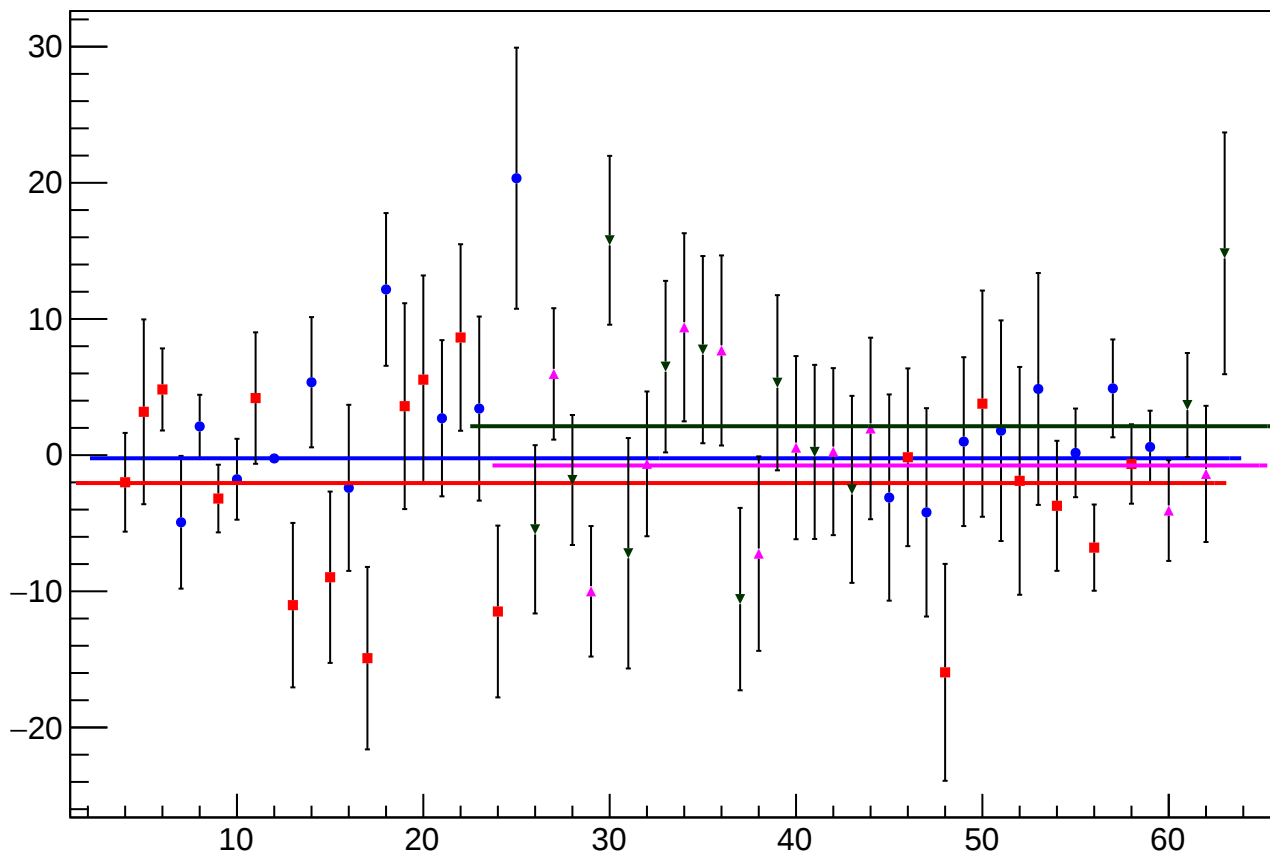
Right Out: 9427.549 ± 2.132 χ^2/NDF : 447350.4/18

Left In: 9835.845 ± 2.713 χ^2/NDF : 85982.2/10

67.661 ± 0.075 χ^2/NDF : 33565314.7/29

9583.429 ± 1.677 χ^2/NDF : 547331.2/29

diff_bpm4ecY_mean vs slug



Right In: -0.230 ± 0.090 χ^2/NDF : 16.8/17

Left Out: 2.124 ± 1.742 χ^2/NDF : 16.0/11

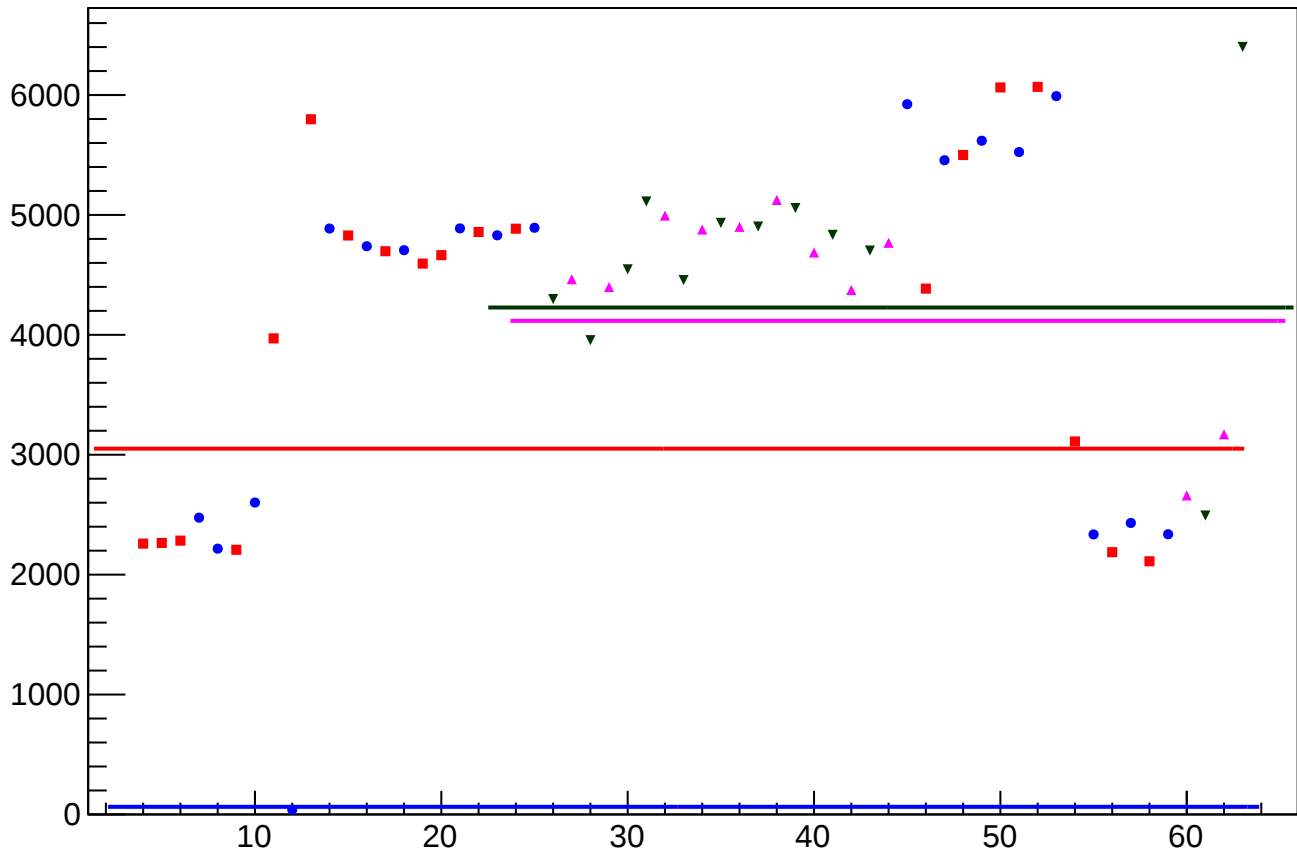
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

Left In: -0.759 ± 1.650 χ^2/NDF : 11.2/10

-0.224 ± 0.090 χ^2/NDF : 34.6/29

-1.675 ± 0.889 χ^2/NDF : 38.8/29

diff_bpm4ecY_rms vs slug



Right In: 63.702+/-0.064 χ^2/NDF : 20268366.8/17

Left Out: 4227.955+/-1.232 χ^2/NDF : 670778.2/11

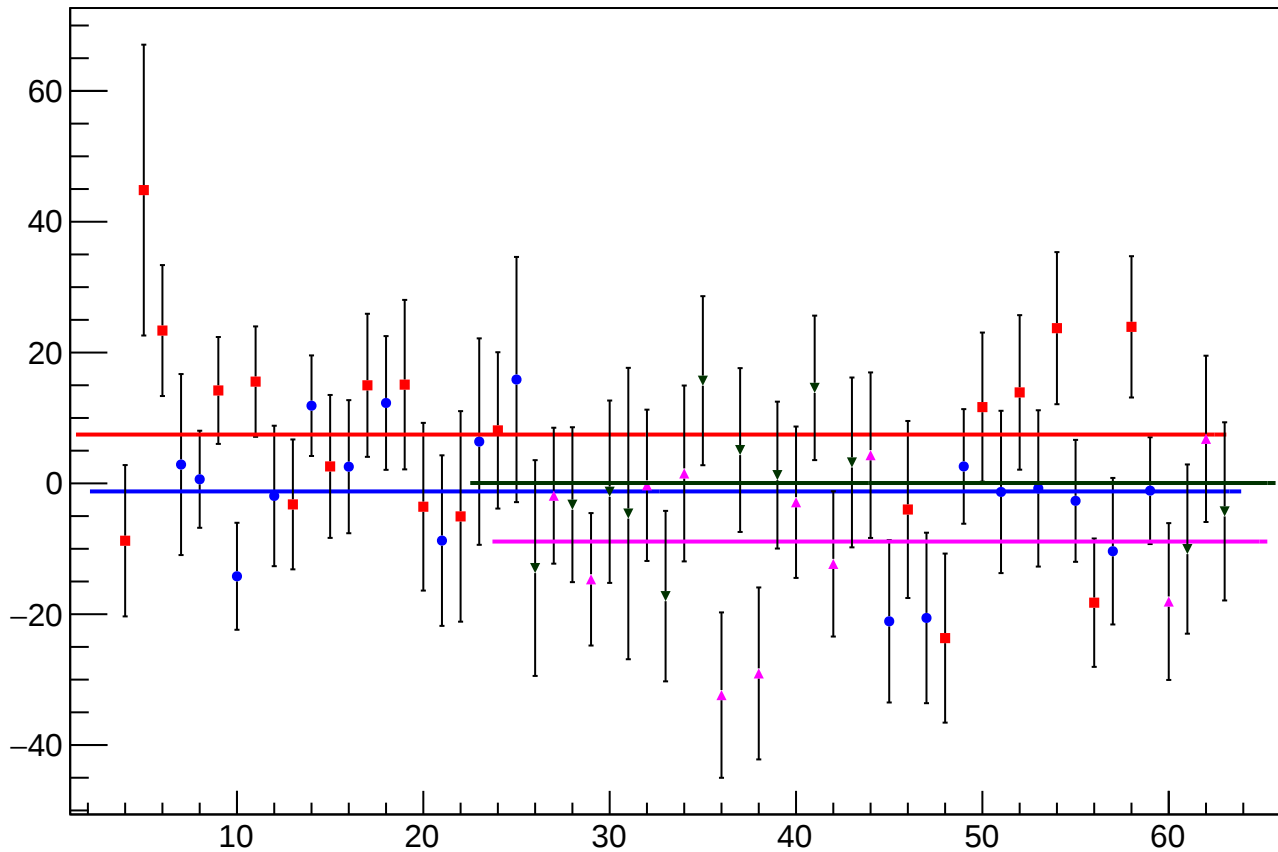
Right Out: 3050.872+/-0.746 χ^2/NDF : 2882138.2/18

Left In: 4116.573+/-1.167 χ^2/NDF : 579767.5/10

74.753+/-0.063 χ^2/NDF : 32342977.2/29

3360.254+/-0.629 χ^2/NDF : 4053892.1/29

diff_bpm1X_mean vs slug



Right In: -1.229 ± 2.430 $\chi^2/\text{NDF}: 14.5/17$

Left Out: 0.059 ± 3.789 $\chi^2/\text{NDF}: 6.7/11$

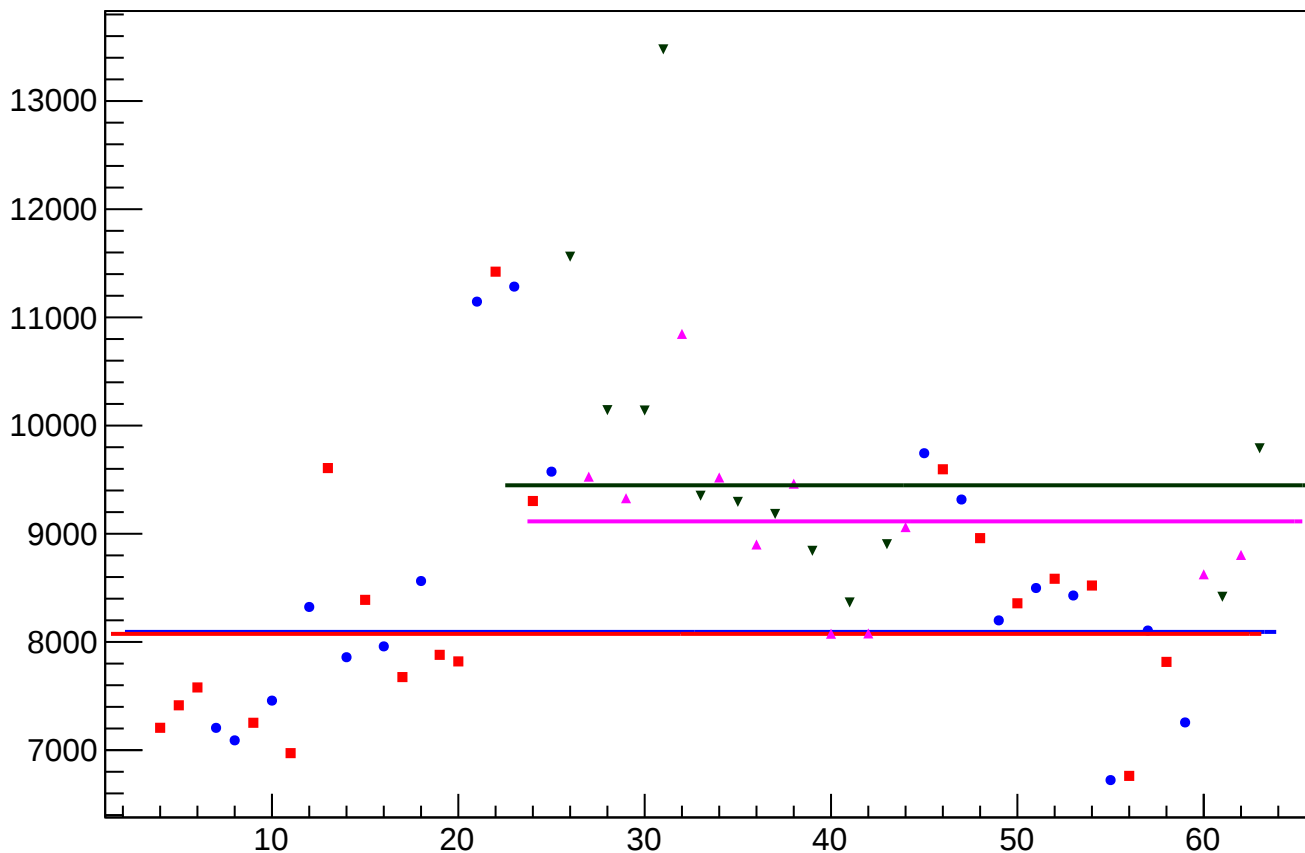
Right Out: 7.465 ± 2.574 $\chi^2/\text{NDF}: 30.5/18$

Left In: -8.893 ± 3.557 $\chi^2/\text{NDF}: 11.3/10$

-0.853 ± 2.046 $\chi^2/\text{NDF}: 21.2/29$

1.843 ± 2.085 $\chi^2/\text{NDF}: 55.7/29$

diff_bpm1X_rms vs slug



Right In: 8092.852+/-1.719 χ^2/NDF : 389353.1/17

Left Out: 9448.007+/-2.679 χ^2/NDF :153879.1/11

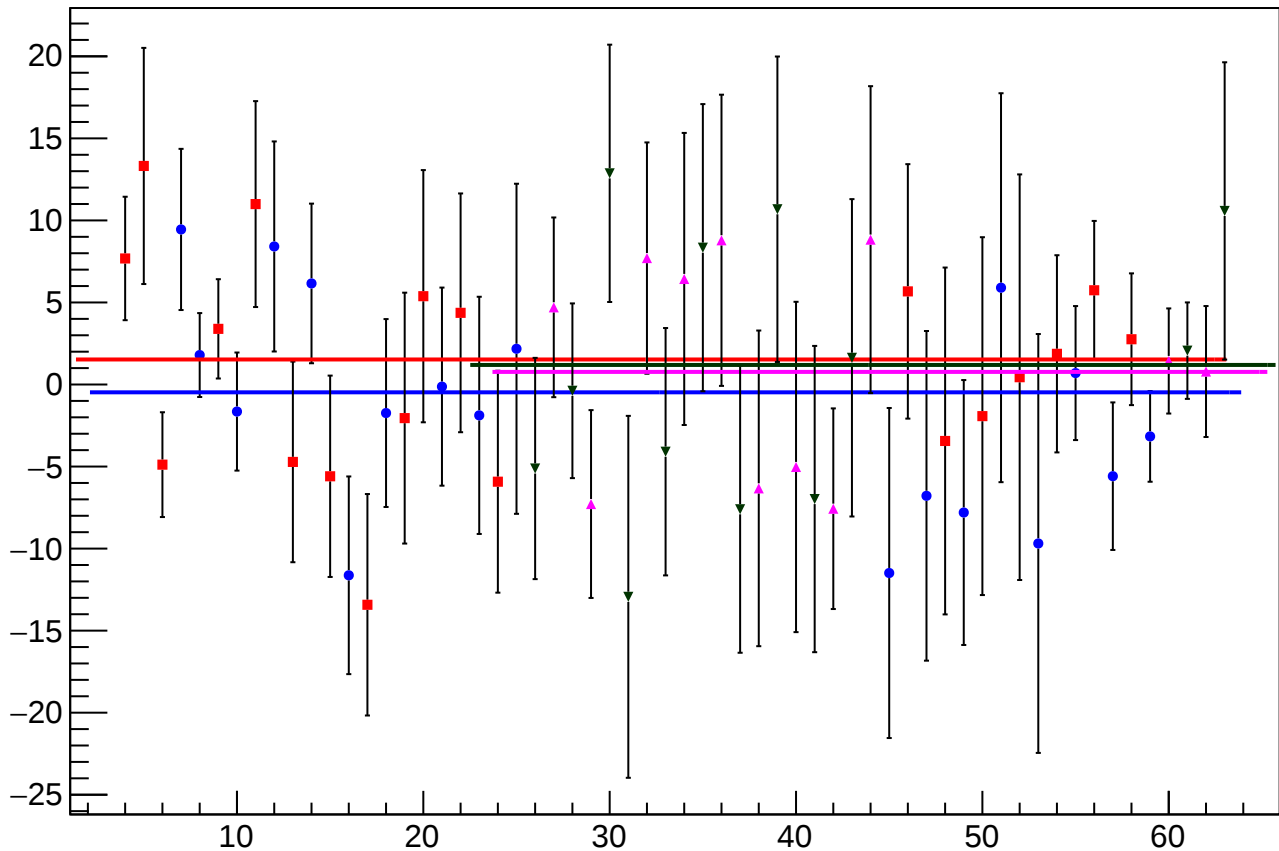
Right Out: 8074.654+/-1.820 χ^2/NDF : 312658.9/18

Left In: 9114.478+/-2.515 χ^2/NDF :90826.5/10

8487.878+/-1.447 χ^2/NDF : 724482.2/29

8432.018+/-1.474 χ^2/NDF : 515672.0/29

diff_bpm1Y_mean vs slug



Right In: -0.476 ± 1.161 $\chi^2/\text{NDF}: 17.9/17$

Left Out: 1.193 ± 1.866 $\chi^2/\text{NDF}: 10.0/11$

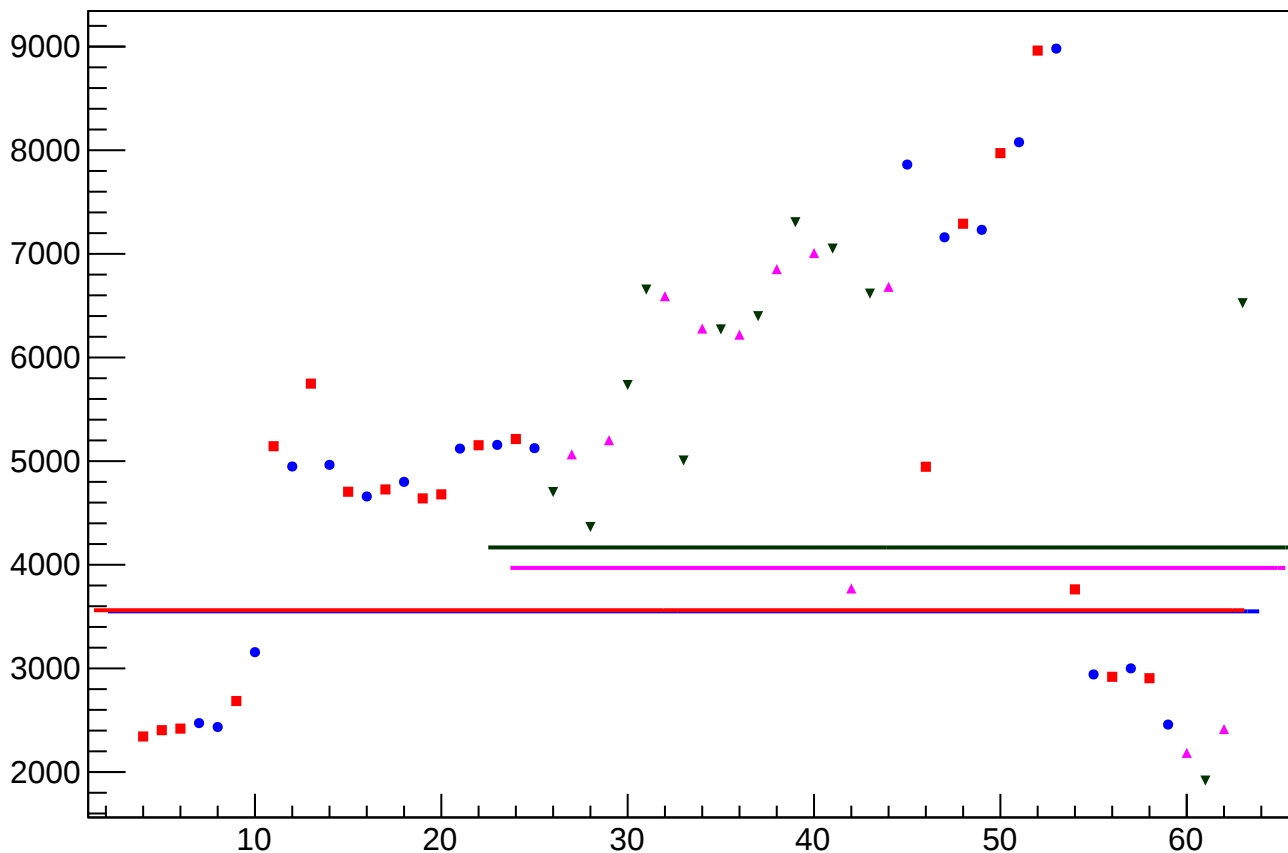
Right Out: 1.525 ± 1.232 $\chi^2/\text{NDF}: 22.9/18$

Left In: 0.768 ± 1.745 $\chi^2/\text{NDF}: 8.2/10$

-0.010 ± 0.986 $\chi^2/\text{NDF}: 28.4/29$

1.273 ± 1.006 $\chi^2/\text{NDF}: 31.2/29$

diff_bpm1Y_rms vs slug



Right In: 3550.424+/-0.821 χ^2/NDF : 3293988.0/17

Left Out: 4167.168+/-1.320 χ^2/NDF : 2321062.3/11

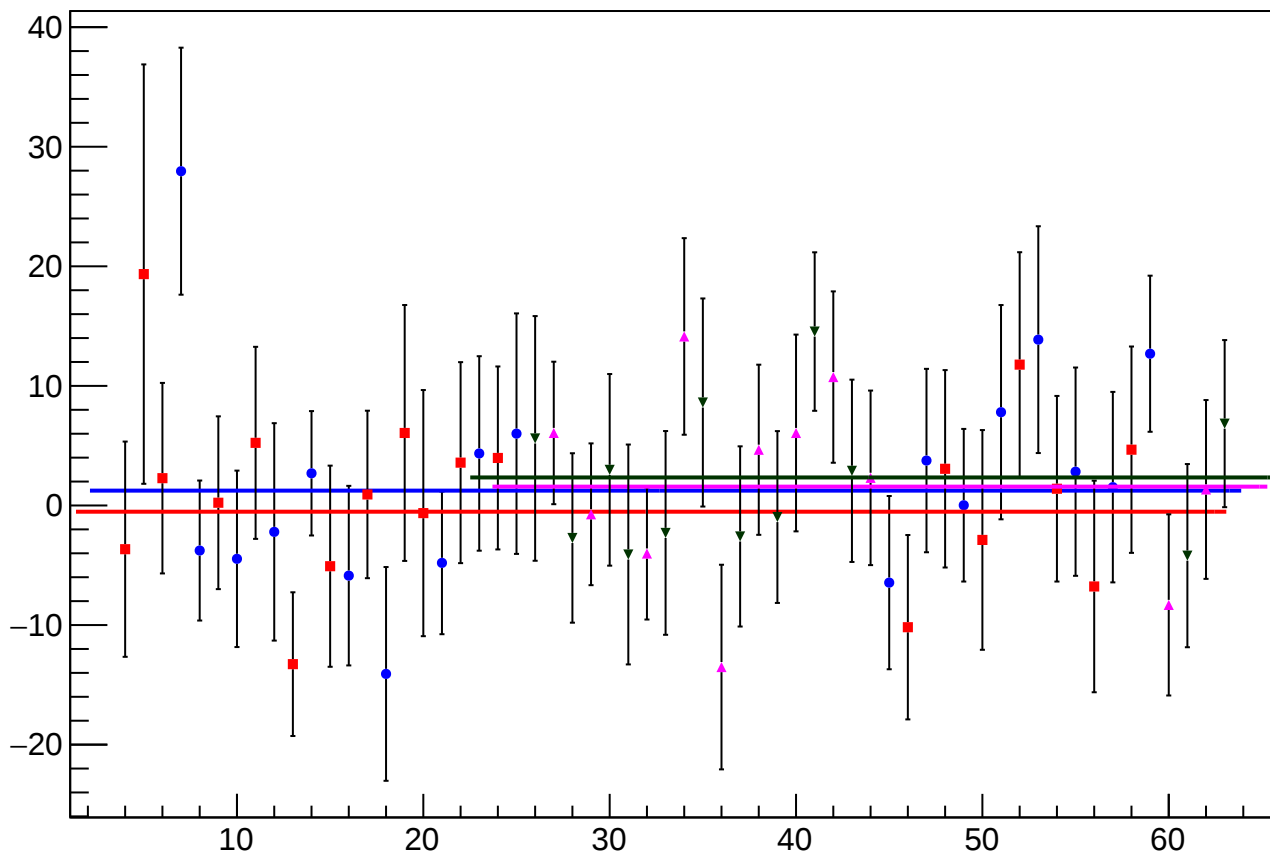
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 3969.656+/-1.234 χ^2/NDF : 2169862.4/10

3722.568+/-0.697 χ^2/NDF : 5772519.9/29

3697.080+/-0.712 χ^2/NDF : 4861219.4/29

diff_bpm11X_mean vs slug



Right In: 1.242 ± 1.752 χ^2/NDF : 20.2/17

Left Out: 2.344 ± 2.245 χ^2/NDF : 7.1/11

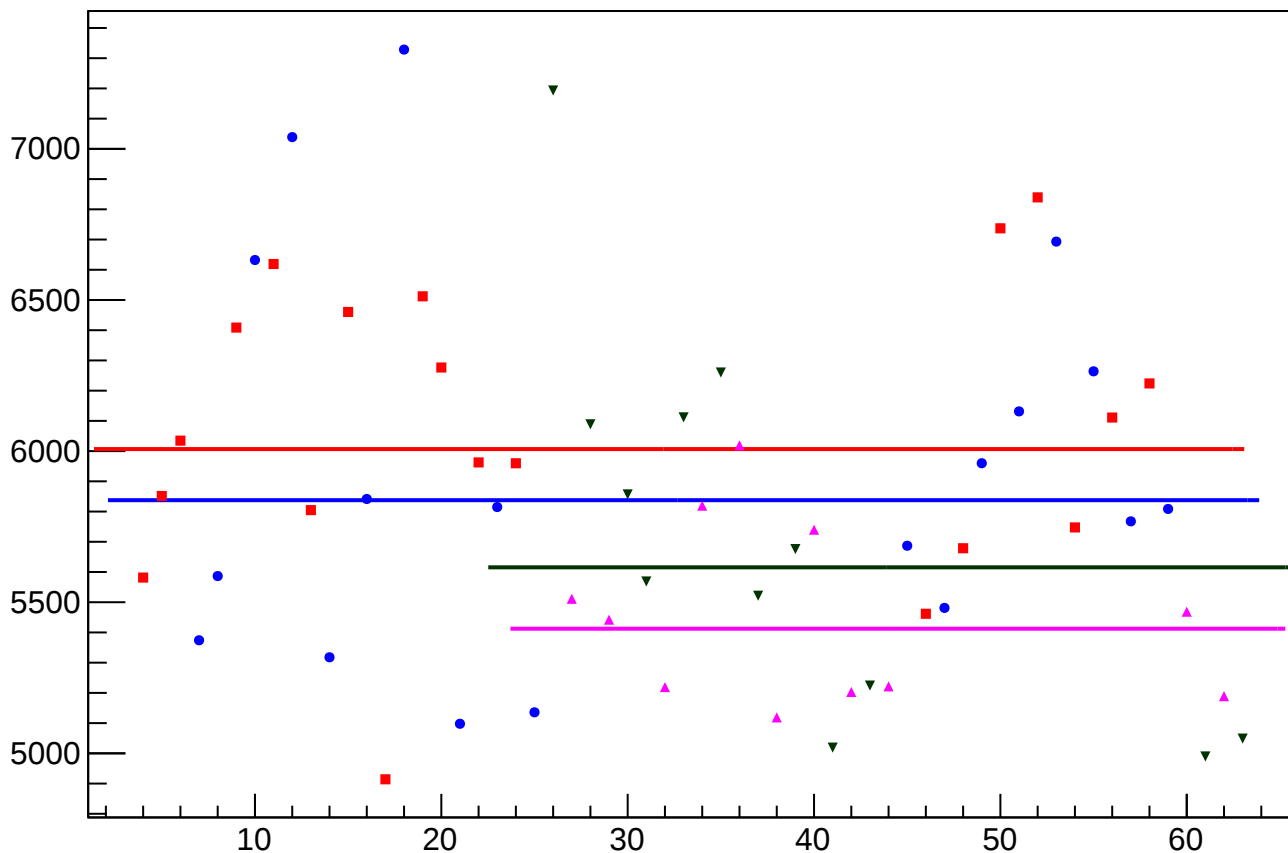
Right Out: -0.521 ± 1.907 χ^2/NDF : 12.3/18

Left In: 1.574 ± 2.104 χ^2/NDF : 11.0/10

1.659 ± 1.381 χ^2/NDF : 27.4/29

0.424 ± 1.413 χ^2/NDF : 23.9/29

diff_bpm11X_rms vs slug



Right In: 5837.587 $\pm$ 1.239 χ^2 /NDF: 211311.8/17

Left Out: 5615.404 $\pm$ 1.588 χ^2 /NDF:124537.0/11

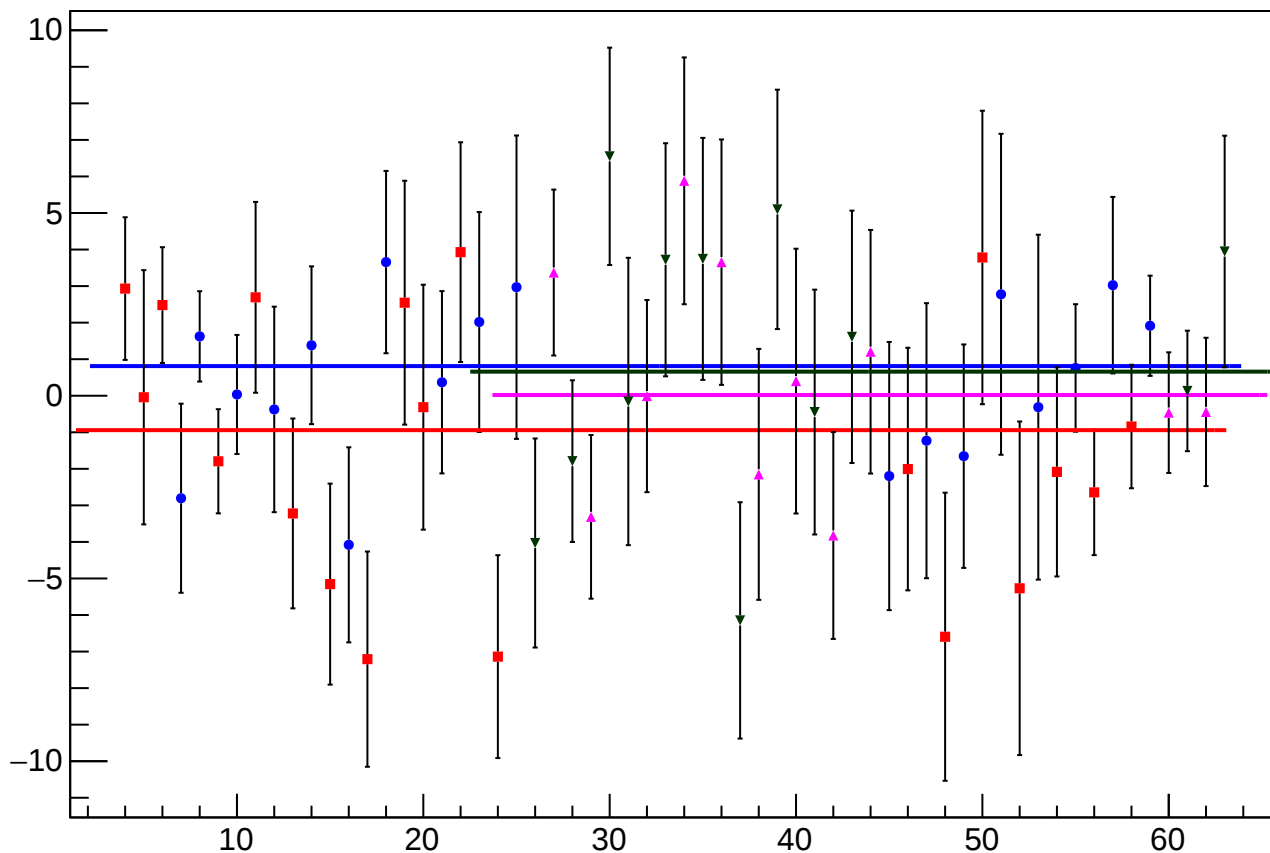
Right Out: 6006.736 $\pm$ 1.348 χ^2 /NDF: 130455.1/18

Left In: 5412.348 $\pm$ 1.487 χ^2 /NDF:29556.0/10

5753.532 $\pm$ 0.977 χ^2 /NDF: 348023.8/29

5738.673 $\pm$ 0.999 χ^2 /NDF: 247683.2/29

diff_bpm11Y_mean vs slug



Right In: 0.811 ± 0.532 χ^2/NDF : 11.3/17

Left Out: 0.659 ± 0.810 χ^2/NDF : 17.3/11

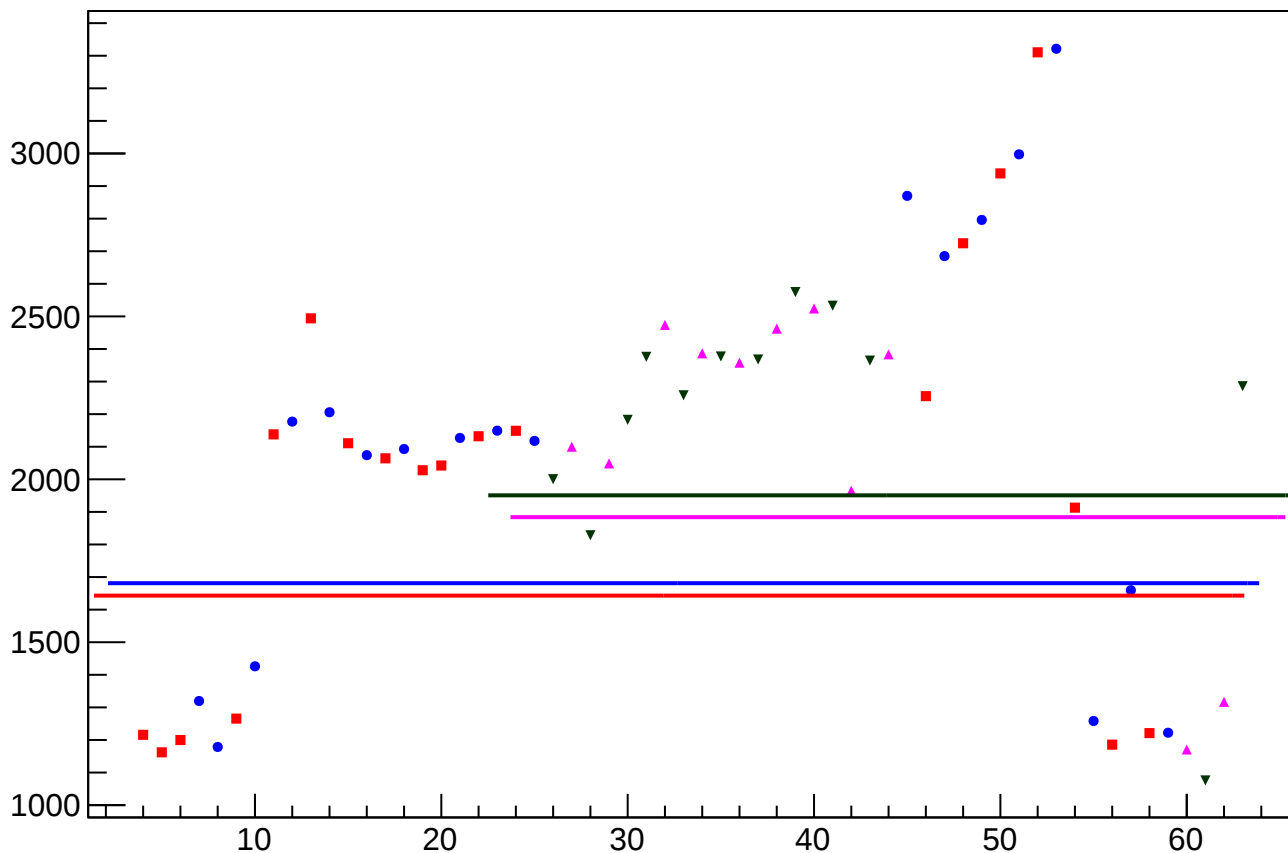
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: 0.020 ± 0.767 χ^2/NDF : 11.1/10

0.765 ± 0.445 χ^2/NDF : 28.7/29

-0.613 ± 0.448 χ^2/NDF : 45.1/29

diff_bpm11Y_rms vs slug



Right In: 1681.167+/-0.376 χ^2/NDF : 2212913.1/17

Left Out: 1950.801+/-0.573 χ^2/NDF : 874231.6/11

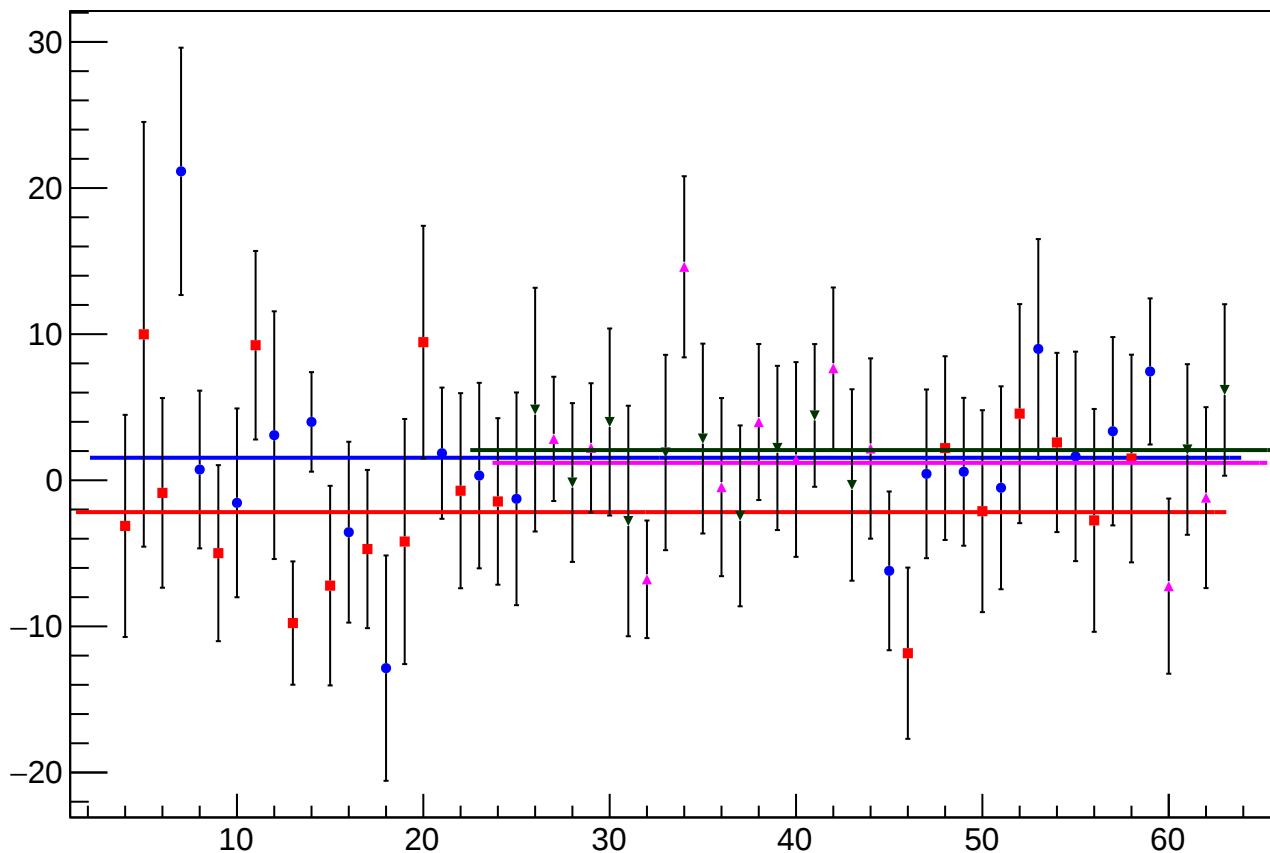
Right Out: 1643.071+/-0.391 χ^2/NDF : 1969332.5/18

Left In: 1883.847+/-0.542 χ^2/NDF : 909341.5/10

1762.402+/-0.314 χ^2/NDF : 3241906.4/29

1725.361+/-0.317 χ^2/NDF : 3008465.1/29

diff_bpm12X_mean vs slug



Right In: 1.541 $\pm$ 1.369 χ^2 /NDF: 15.2/17

Left Out: 2.066 $\pm$ 1.779 χ^2 /NDF: 2.2/11

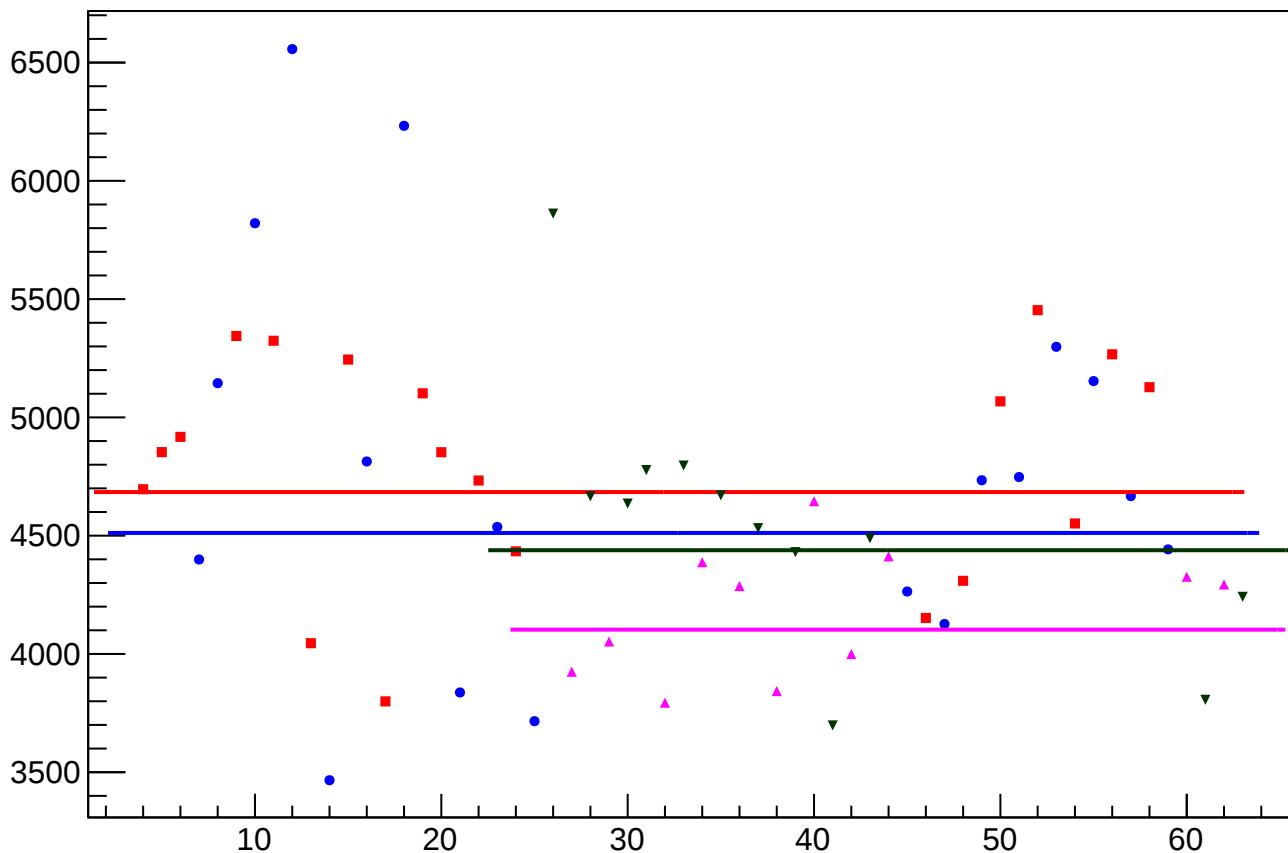
Right Out: -2.180 $\pm$ 1.492 χ^2 /NDF: 15.2/18

Left In: 1.191 $\pm$ 1.598 χ^2 /NDF: 12.7/10

1.737 $\pm$ 1.085 χ^2 /NDF: 17.4/29

-0.609 $\pm$ 1.091 χ^2 /NDF: 30.3/29

diff_bpm12X_rms vs slug



Right In: 4511.494 $\pm$ 0.968 χ^2 /NDF: 646999.1/17

Left Out: 4438.464 $\pm$ 1.258 χ^2 /NDF:147905.6/11

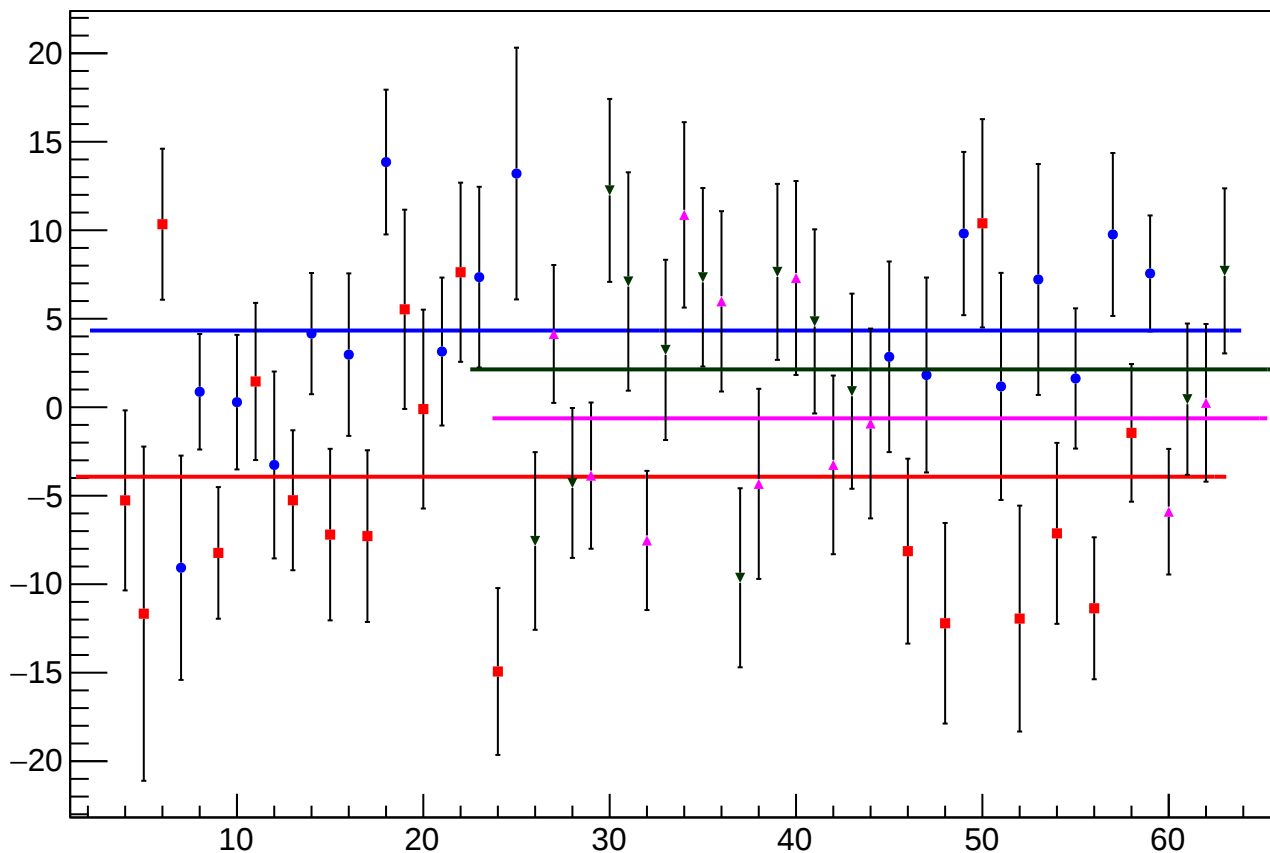
4484.318 $\pm$ 0.767 χ^2 /NDF: 797022.0/29

Right Out: 4684.391 $\pm$ 1.055 χ^2 /NDF: 240230.9/18

4413.358 $\pm$ 0.771 χ^2 /NDF: 431829.8/29

Left In: 4102.724 $\pm$ 1.130 χ^2 /NDF:50043.2/10

diff_bpm12Y_mean vs slug



Right In: 4.334 ± 1.055 χ^2/NDF : 21.3/17

Left Out: 2.138 ± 1.433 χ^2/NDF : 20.2/11

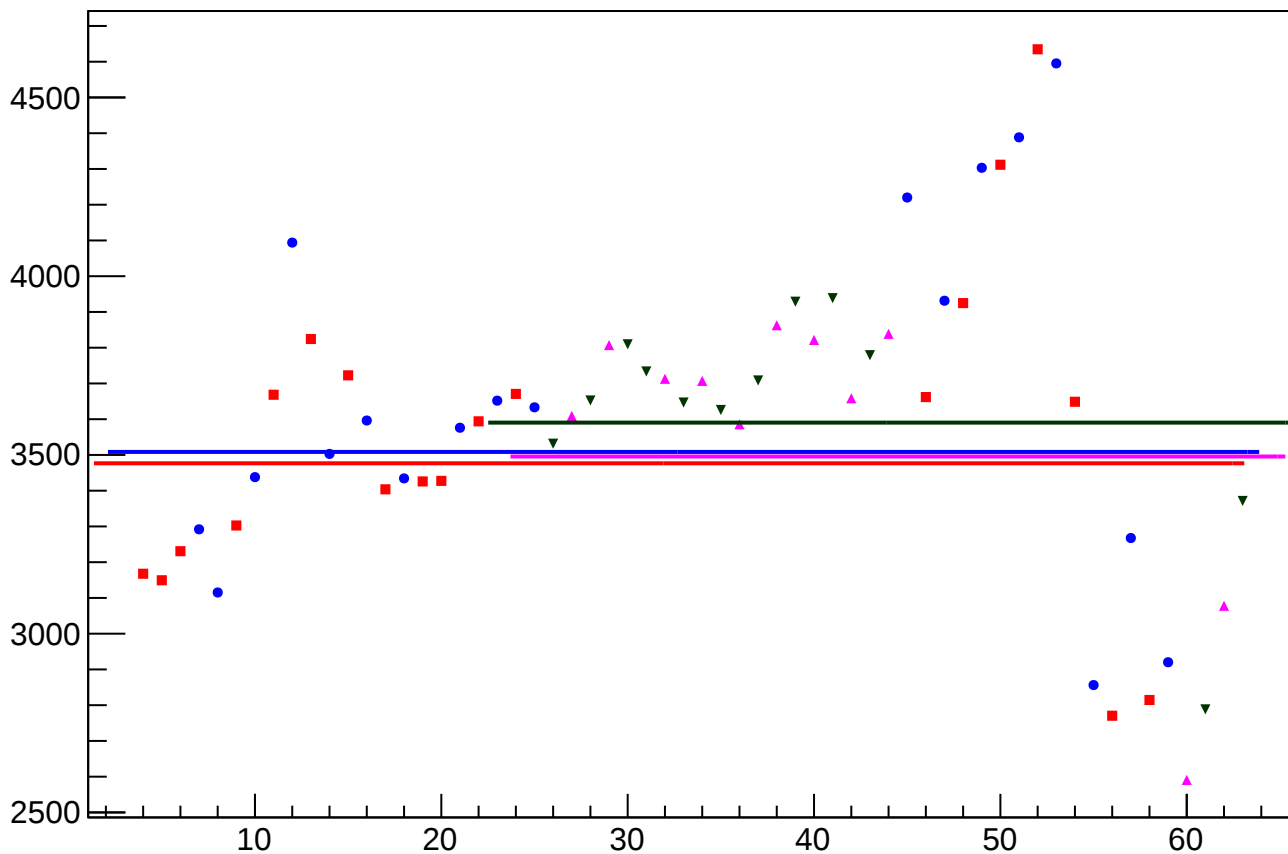
Right Out: -3.927 ± 1.110 χ^2/NDF : 44.2/18

Left In: -0.628 ± 1.366 χ^2/NDF : 16.8/10

3.562 ± 0.850 χ^2/NDF : 42.9/29

-2.615 ± 0.861 χ^2/NDF : 64.5/29

diff_bpm12Y_rms vs slug



Right In: 3508.449 $\pm$ 0.746 χ^2 /NDF: 384135.9/17

Left Out: 3590.450 $\pm$ 1.013 χ^2 /NDF:102195.7/11

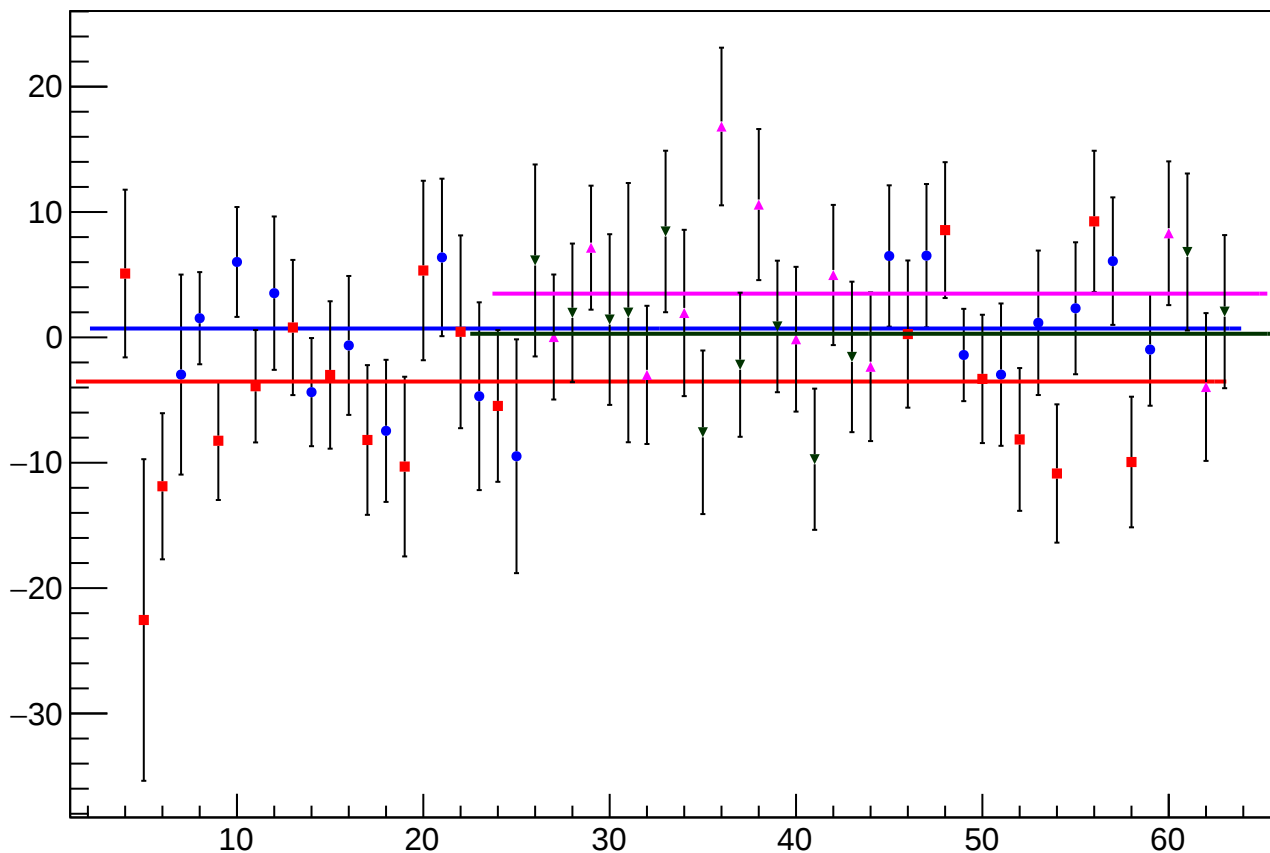
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

Left In: 3495.646 $\pm$ 0.966 χ^2 /NDF:197317.1/10

3537.284 $\pm$ 0.601 χ^2 /NDF: 490578.5/29

3484.211 $\pm$ 0.609 χ^2 /NDF: 491300.5/29

diff_bpm16X_mean vs slug



Right In: 0.708 ± 1.229 χ^2/NDF : 12.2/17

Left Out: 0.288 ± 1.806 χ^2/NDF : 8.4/11

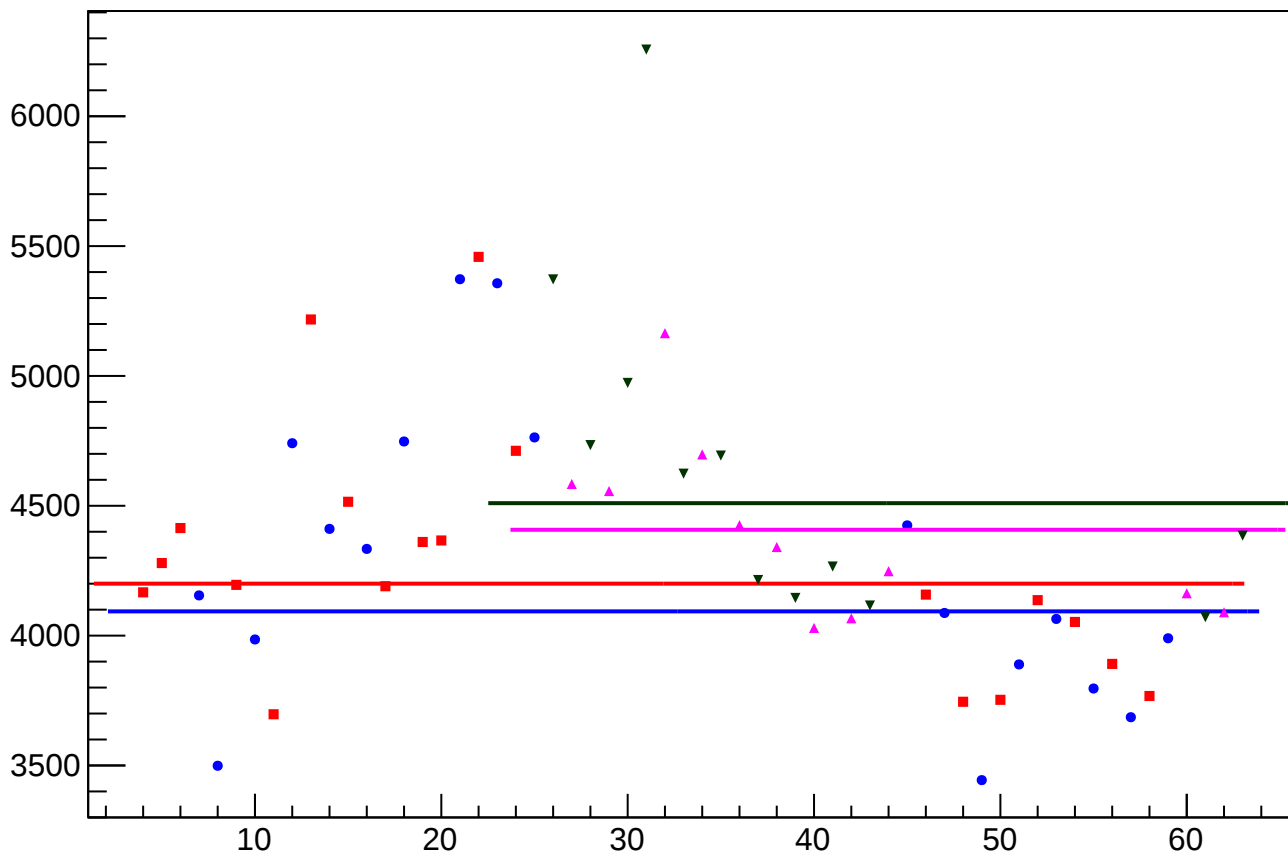
Right Out: -3.522 ± 1.336 χ^2/NDF : 25.4/18

Left In: 3.489 ± 1.717 χ^2/NDF : 12.1/10

0.575 ± 1.016 χ^2/NDF : 20.6/29

-0.878 ± 1.054 χ^2/NDF : 47.9/29

diff_bpm16X_rms vs slug



Right In: 4093.382 $\pm$ 0.869 χ^2 /NDF: 359698.6/17

Left Out: 4510.061 $\pm$ 1.277 χ^2 /NDF:135165.6/11

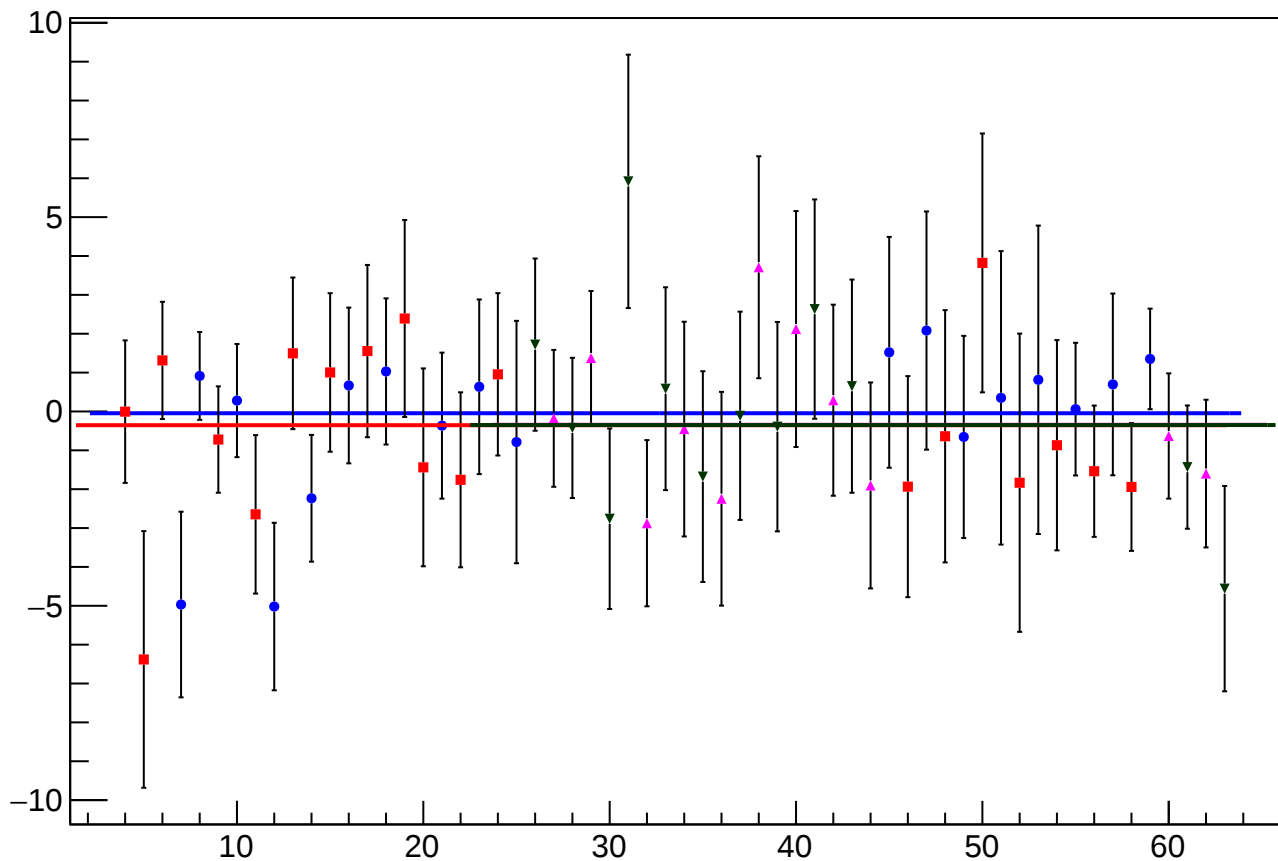
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

Left In: 4407.572 $\pm$ 1.214 χ^2 /NDF:73032.2/10

4225.223 $\pm$ 0.718 χ^2 /NDF: 567625.1/29

4278.351 $\pm$ 0.746 χ^2 /NDF: 317075.3/29

diff_bpm16Y_mean vs slug



Right In: -0.046 ± 0.458 χ^2/NDF : 14.9/17

Left Out: -0.350 ± 0.682 χ^2/NDF : 10.3/11

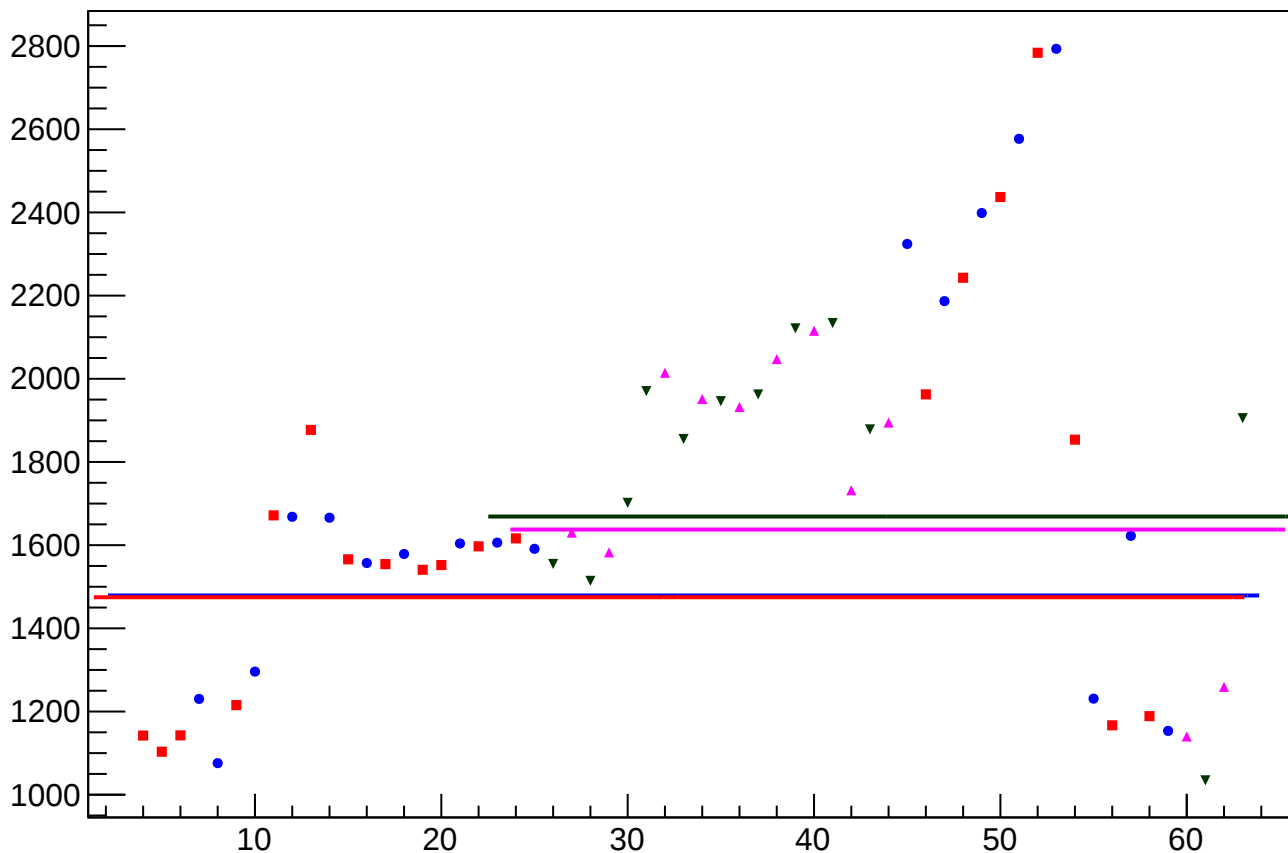
Right Out: -0.354 ± 0.483 χ^2/NDF : 13.6/18

Left In: -0.343 ± 0.653 χ^2/NDF : 6.4/10

-0.140 ± 0.380 χ^2/NDF : 25.3/29

-0.350 ± 0.389 χ^2/NDF : 20.1/29

diff_bpm16Y_rms vs slug



Right In: 1479.014+/-0.324 χ^2/NDF : 1459343.9/17

Left Out: 1668.848+/-0.482 χ^2/NDF : 551052.0/11

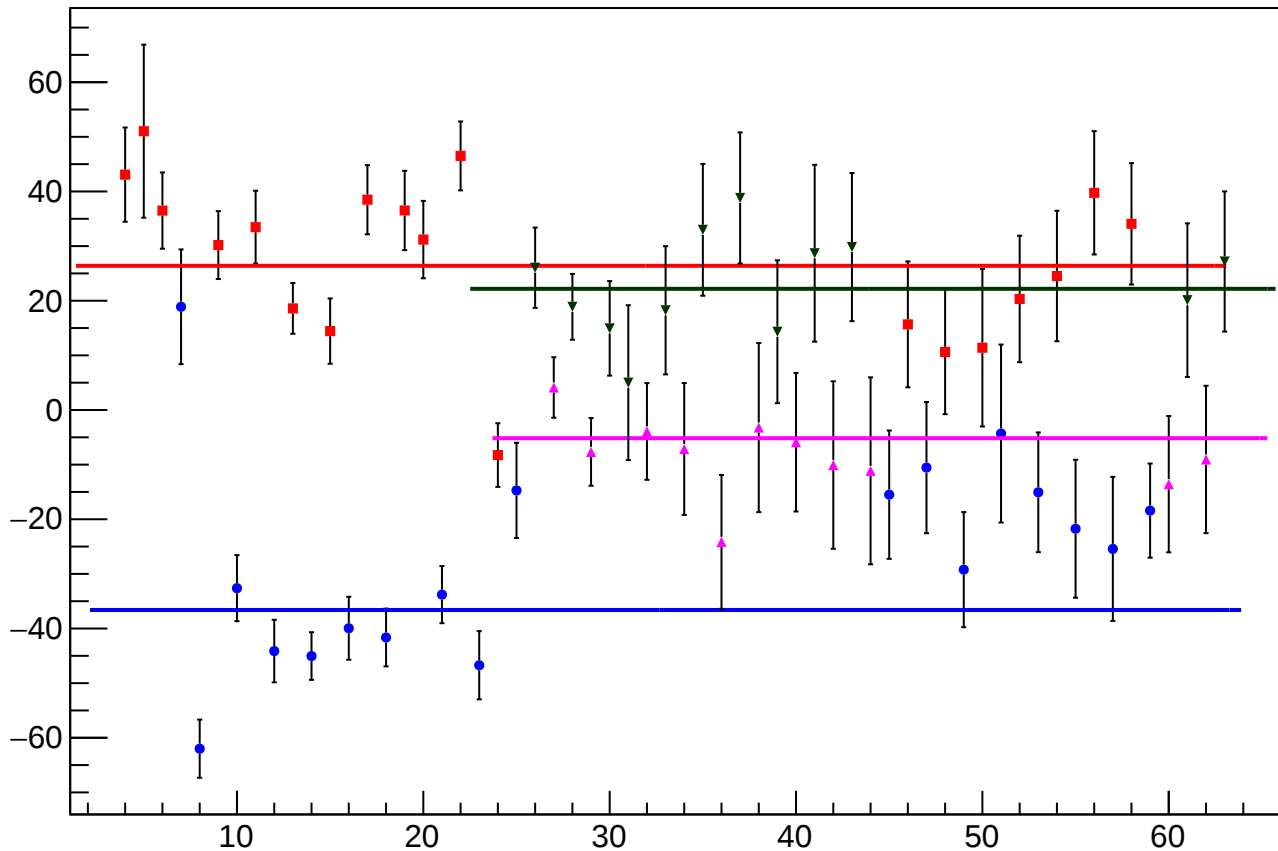
Right Out: 1474.750+/-0.342 χ^2/NDF : 1125200.2/18

Left In: 1637.501+/-0.462 χ^2/NDF : 495544.0/10

1538.063+/-0.269 χ^2/NDF : 2117155.1/29

1532.315+/-0.275 χ^2/NDF : 1700935.5/29

diff_bpm0l01X_mean vs slug



Right In: -36.608 ± 1.674 χ^2/NDF : 89.8/17

Left Out: 22.182 ± 2.992 χ^2/NDF : 6.6/11

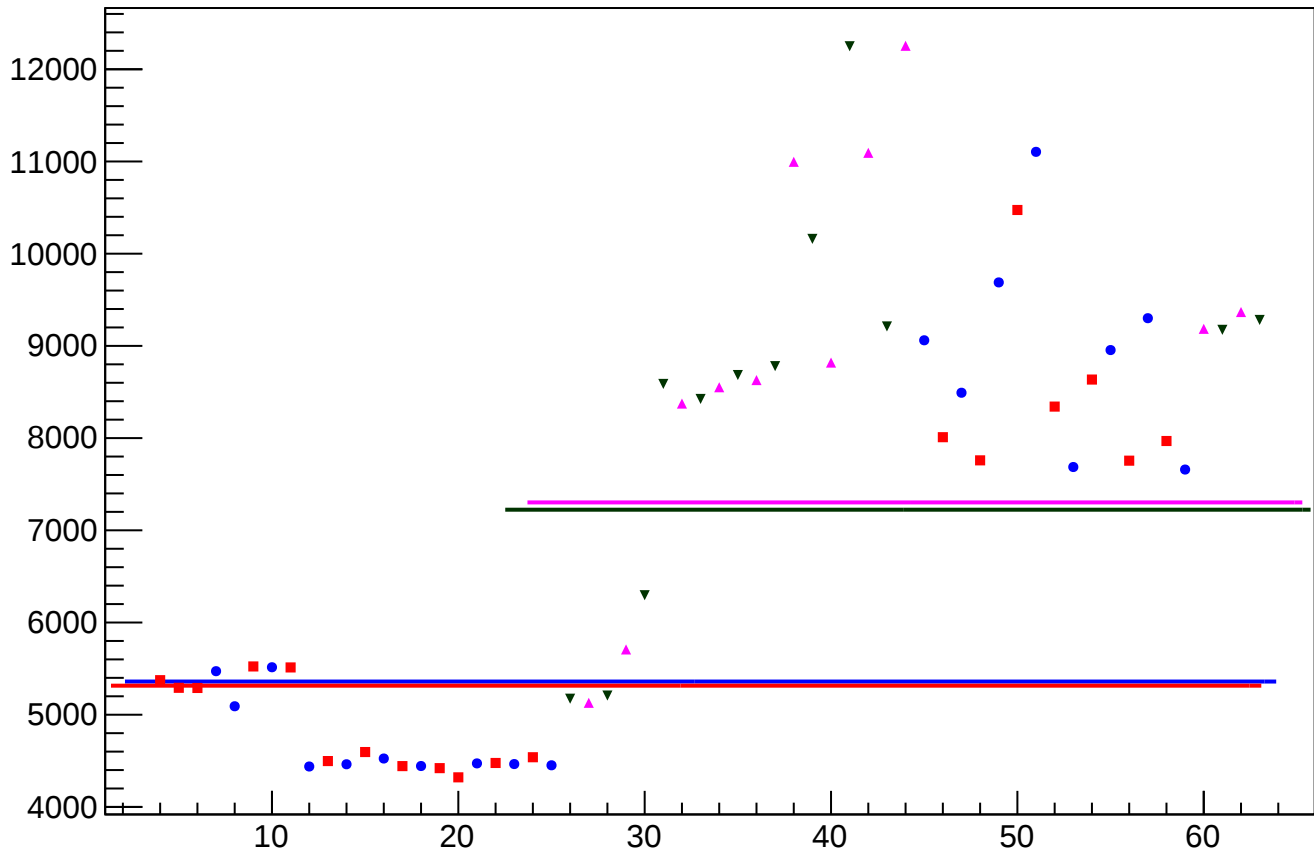
Right Out: 26.394 ± 1.742 χ^2/NDF : 74.2/18

Left In: -5.162 ± 2.949 χ^2/NDF : 6.2/10

-22.589 ± 1.461 χ^2/NDF : 390.5/29

18.233 ± 1.500 χ^2/NDF : 165.3/29

diff_bpm0l01X_rms vs slug



Right In: 5359.964+/-1.184 χ^2/NDF : 1859958.8/17

Left Out: 7223.463+/-2.115 χ^2/NDF : 931646.4/11

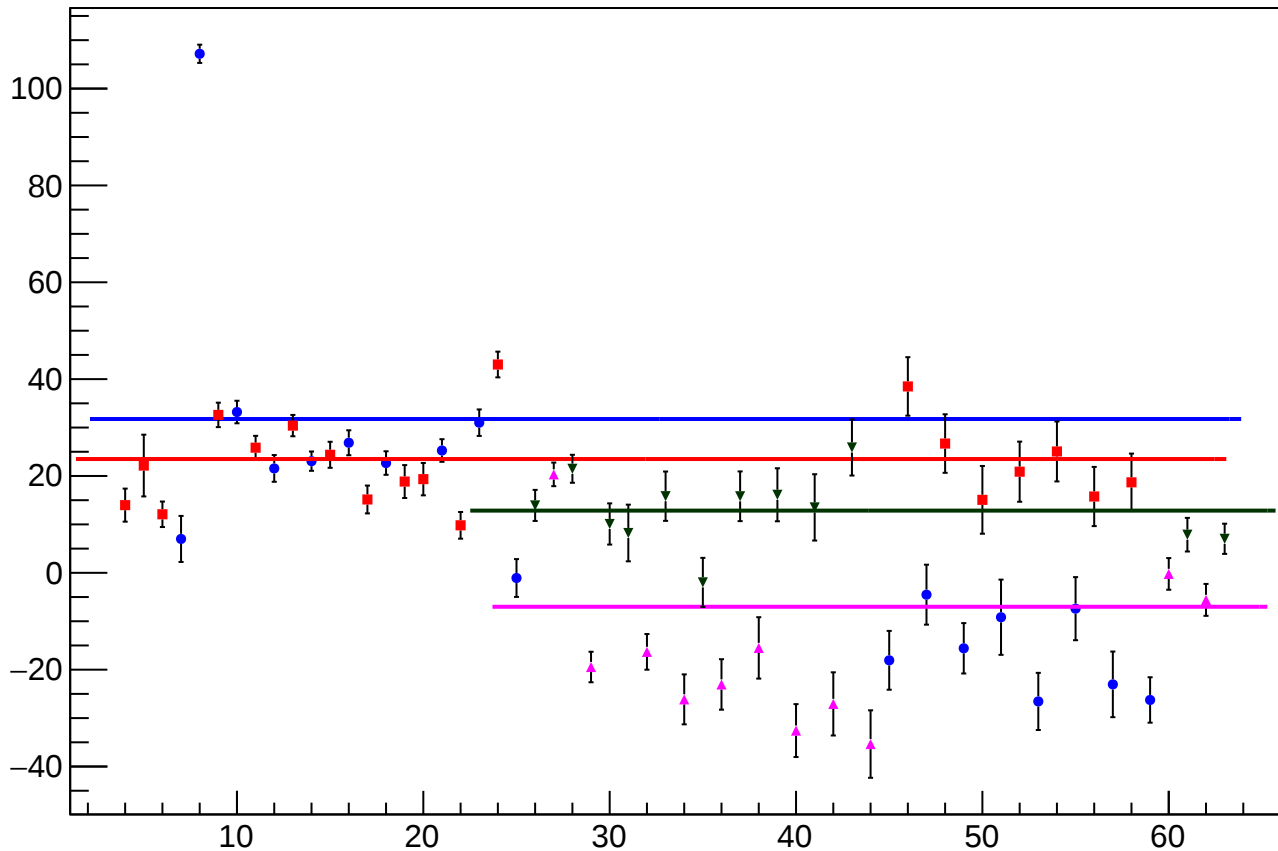
5804.322+/-1.033 χ^2/NDF : 3382585.6/29

Right Out: 5315.062+/-1.232 χ^2/NDF : 1229938.4/18

5829.022+/-1.061 χ^2/NDF : 2942753.5/29

Left In: 7302.495+/-2.086 χ^2/NDF : 1039578.4/10

diff_bpm0l01Y_mean vs slug



Right In: 31.767 ± 0.741 $\chi^2/\text{NDF}: 2323.1/17$

Left Out: 12.849 ± 1.206 $\chi^2/\text{NDF}: 30.3/11$

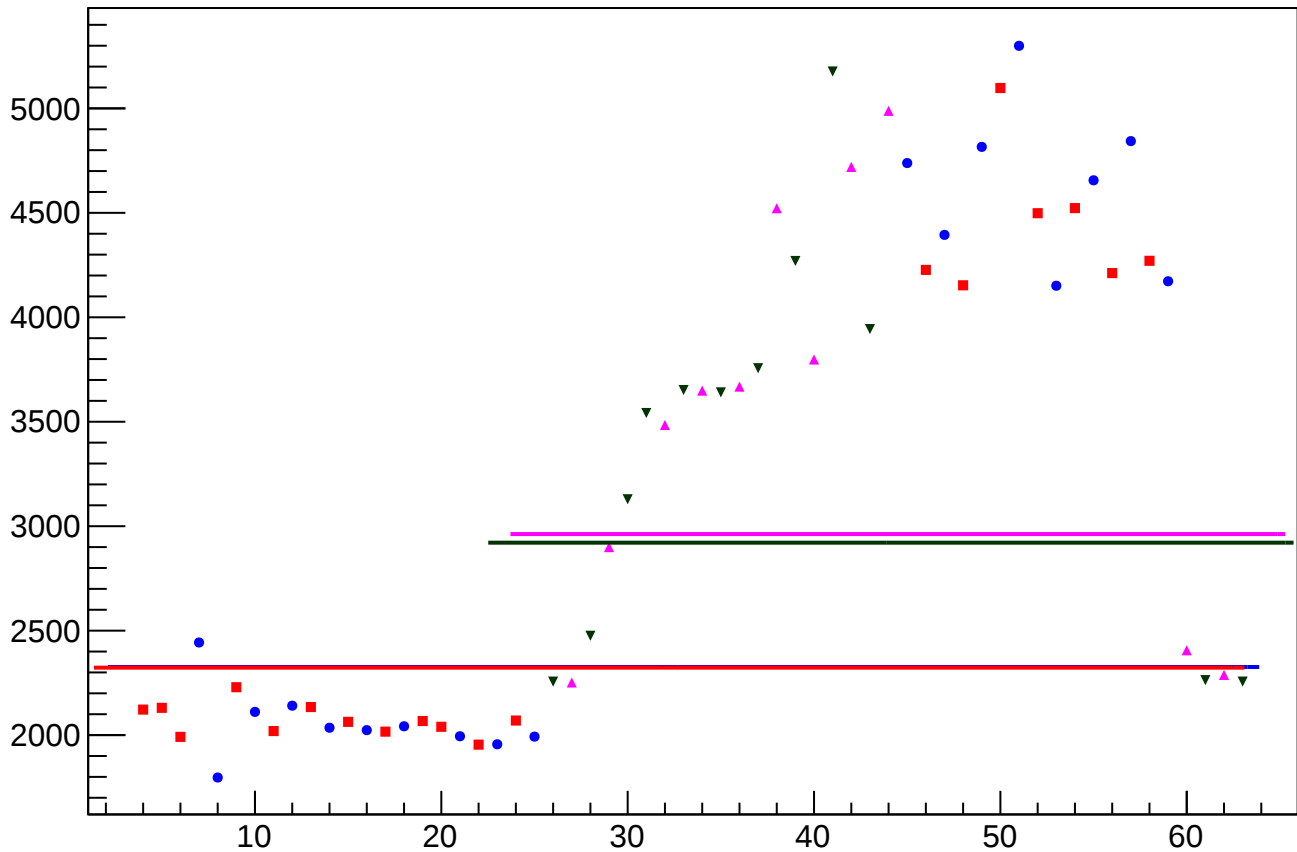
Right Out: 23.500 ± 0.773 $\chi^2/\text{NDF}: 151.3/18$

Left In: -7.009 ± 1.190 $\chi^2/\text{NDF}: 225.5/10$

26.586 ± 0.631 $\chi^2/\text{NDF}: 2532.0/29$

14.458 ± 0.648 $\chi^2/\text{NDF}: 838.9/29$

diff_bpm0l01Y_rms vs slug



Right In: 2326.082+/-0.524 χ^2/NDF : 2696546.0/17

Left Out: 2921.172+/-0.853 χ^2/NDF : 858607.1/11

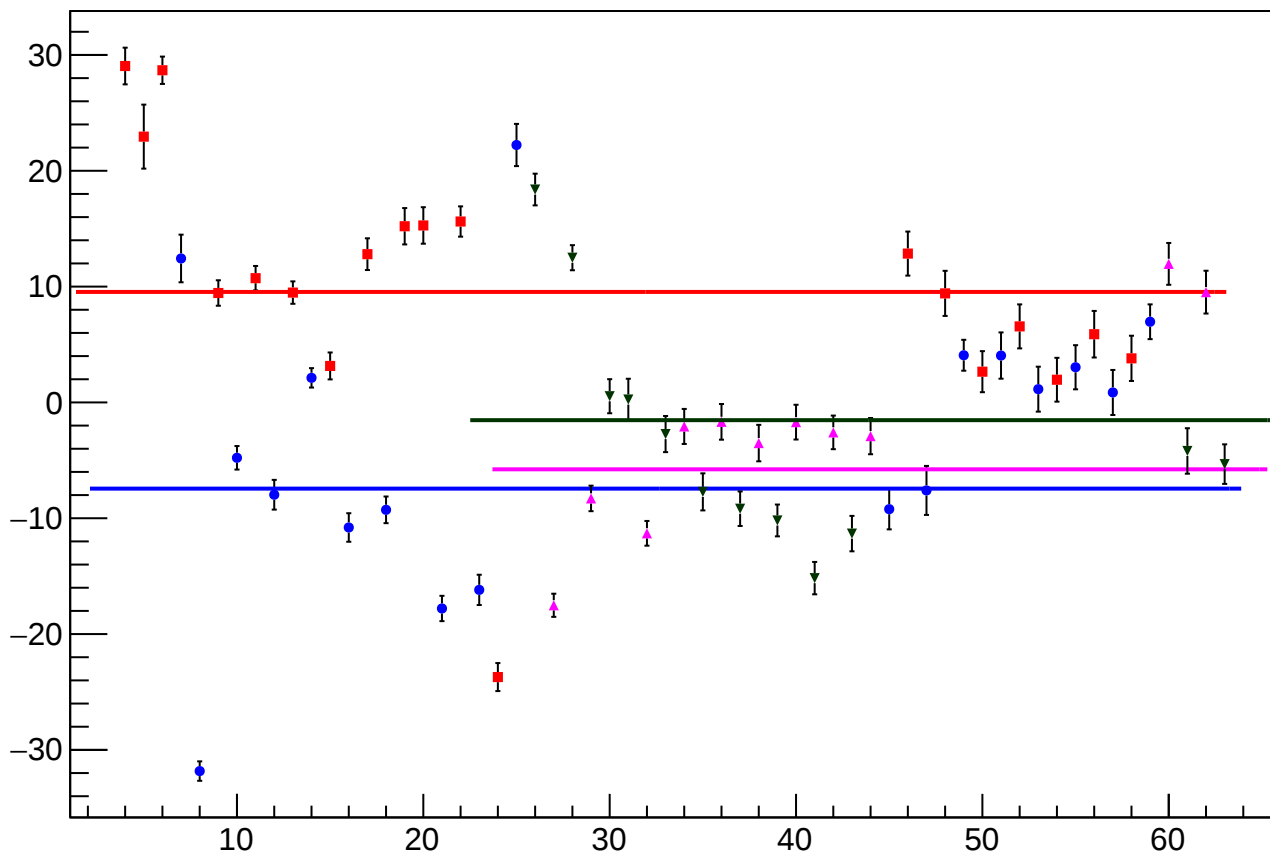
2489.056+/-0.446 χ^2/NDF : 3908580.5/29

Right Out: 2322.918+/-0.546 χ^2/NDF : 1810759.5/18

2512.432+/-0.458 χ^2/NDF : 3123844.3/29

Left In: 2962.346+/-0.842 χ^2/NDF : 907072.8/10

diff_bpm2i01X_mean vs slug



Right In: -7.442 ± 0.310 χ^2/NDF : 1753.9/17

Left Out: -1.532 ± 0.427 χ^2/NDF : 606.7/11

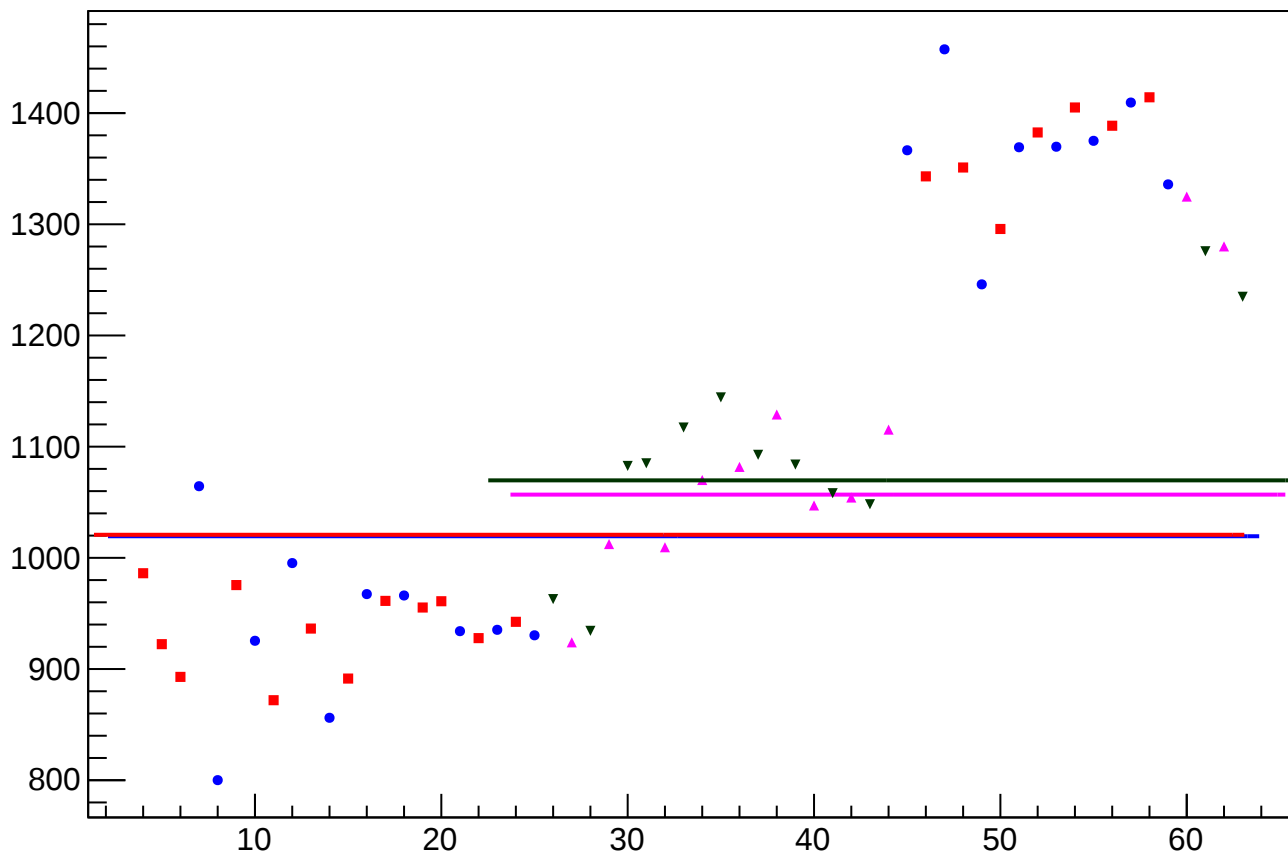
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -5.775 ± 0.412 χ^2/NDF : 365.7/10

-5.404 ± 0.251 χ^2/NDF : 2486.0/29

3.606 ± 0.256 χ^2/NDF : 2540.2/29

diff_bpm2i01X_rms vs slug



Right In: 1019.424+/-0.219 χ^2/NDF : 852878.1/17

Left Out: 1069.688+/-0.302 χ^2/NDF :91852.7/11

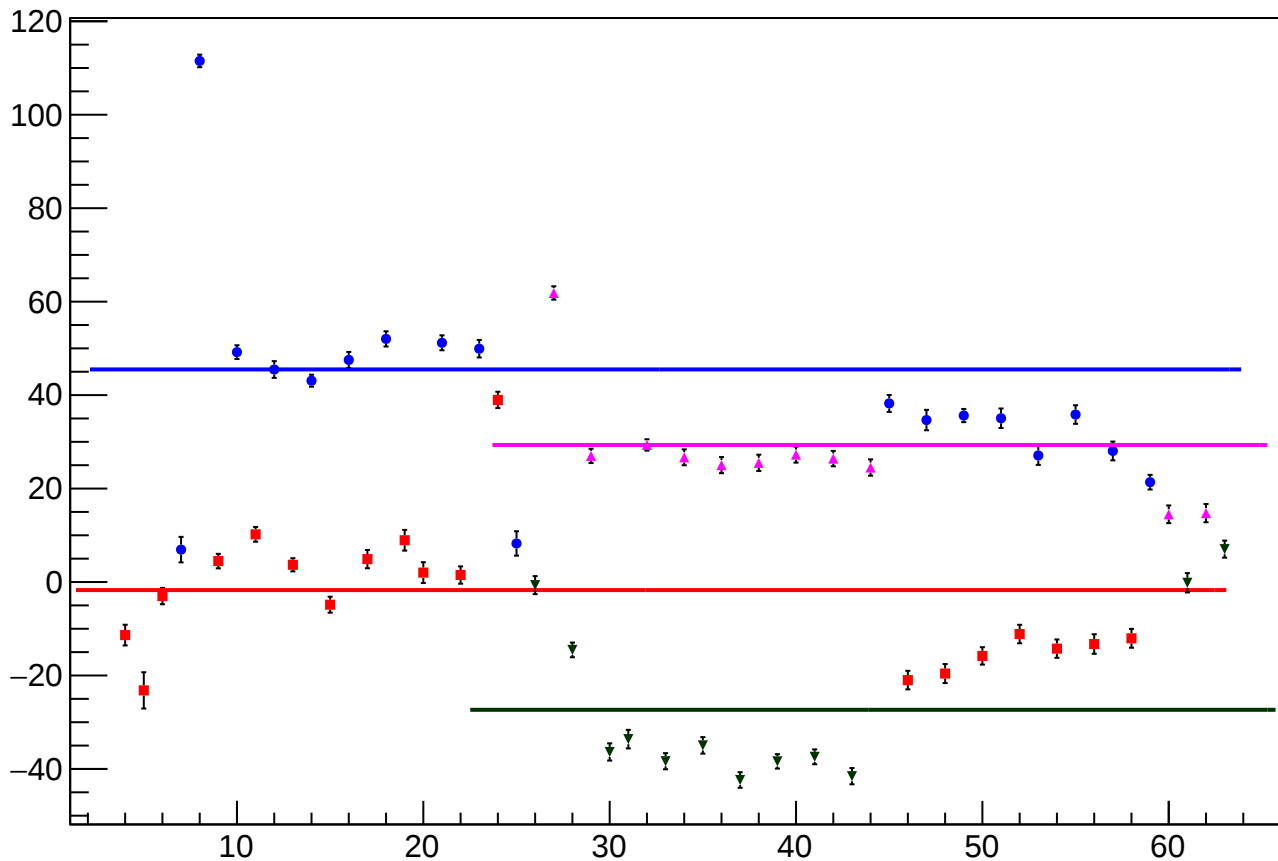
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1056.866+/-0.291 χ^2/NDF :123558.2/10

1036.761+/-0.177 χ^2/NDF : 962873.8/29

1034.742+/-0.181 χ^2/NDF : 738048.0/29

diff_bpm2i01Y_mean vs slug



Right In: 45.496+/-0.408 χ^2/NDF : 3402.2/17

Left Out: -1.724+/-0.506 χ^2/NDF : 1117.6/11

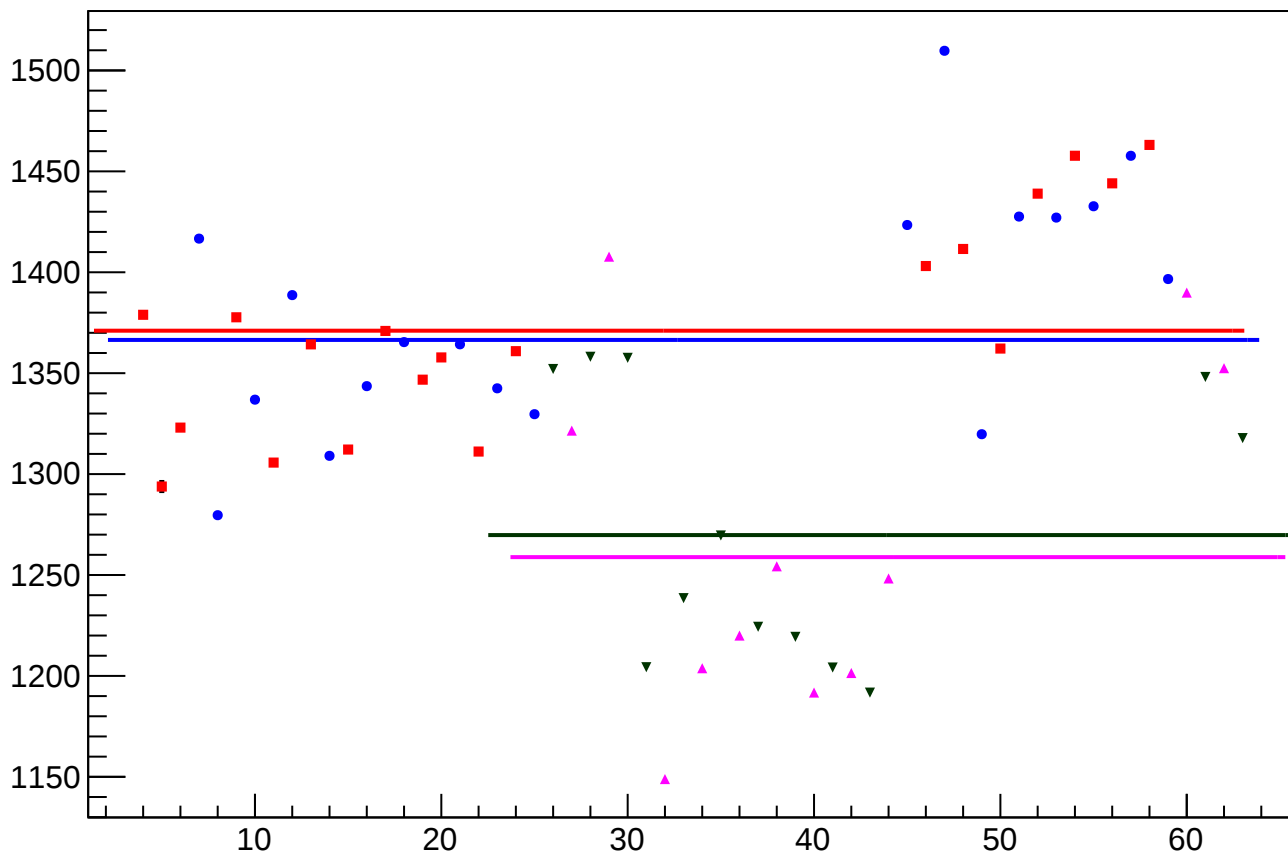
Right Out: -1.724+/-0.434 χ^2/NDF : 1071.7/18

Left In: 29.328+/-0.489 χ^2/NDF : 663.3/10

16.775+/-0.317 χ^2/NDF : 17091.0/29

11.954+/-0.325 χ^2/NDF : 3990.6/29

diff_bpm2i01Y_rms vs slug



Right In: 1366.474+/-0.288 χ^2/NDF : 38633.0/17

Left Out: 1269.783+/-0.358 χ^2/NDF : 32599.0/11

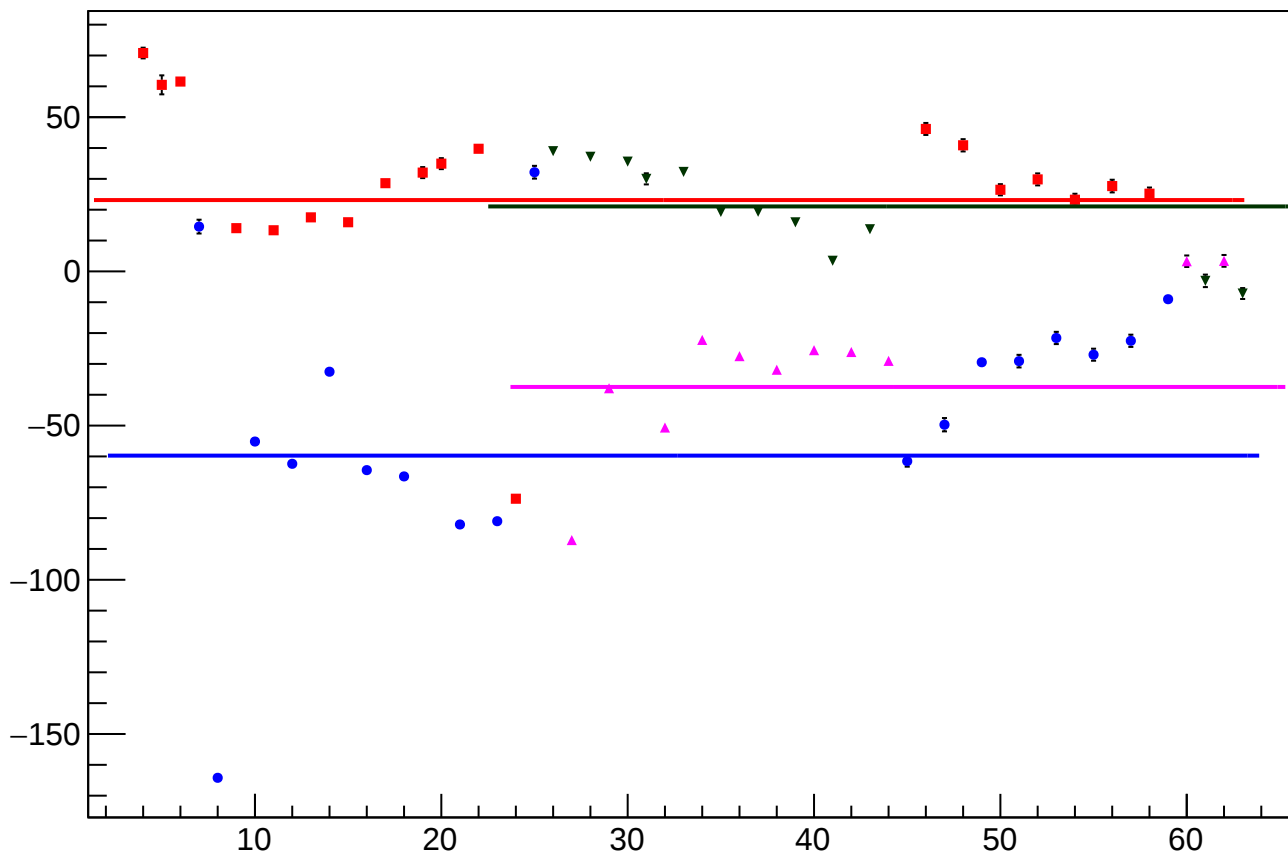
Right Out: 1371.055+/-0.307 χ^2/NDF : 24860.5/18

Left In: 1258.856+/-0.346 χ^2/NDF : 62090.8/10

1328.348+/-0.224 χ^2/NDF : 115535.1/29

1321.632+/-0.230 χ^2/NDF : 145848.6/29

diff_bpm2i02X_mean vs slug



Right In: -59.738 ± 0.343 $\chi^2/\text{NDF}: 18760.8/17$

Left Out: 21.059 ± 0.446 $\chi^2/\text{NDF}: 1054.3/11$

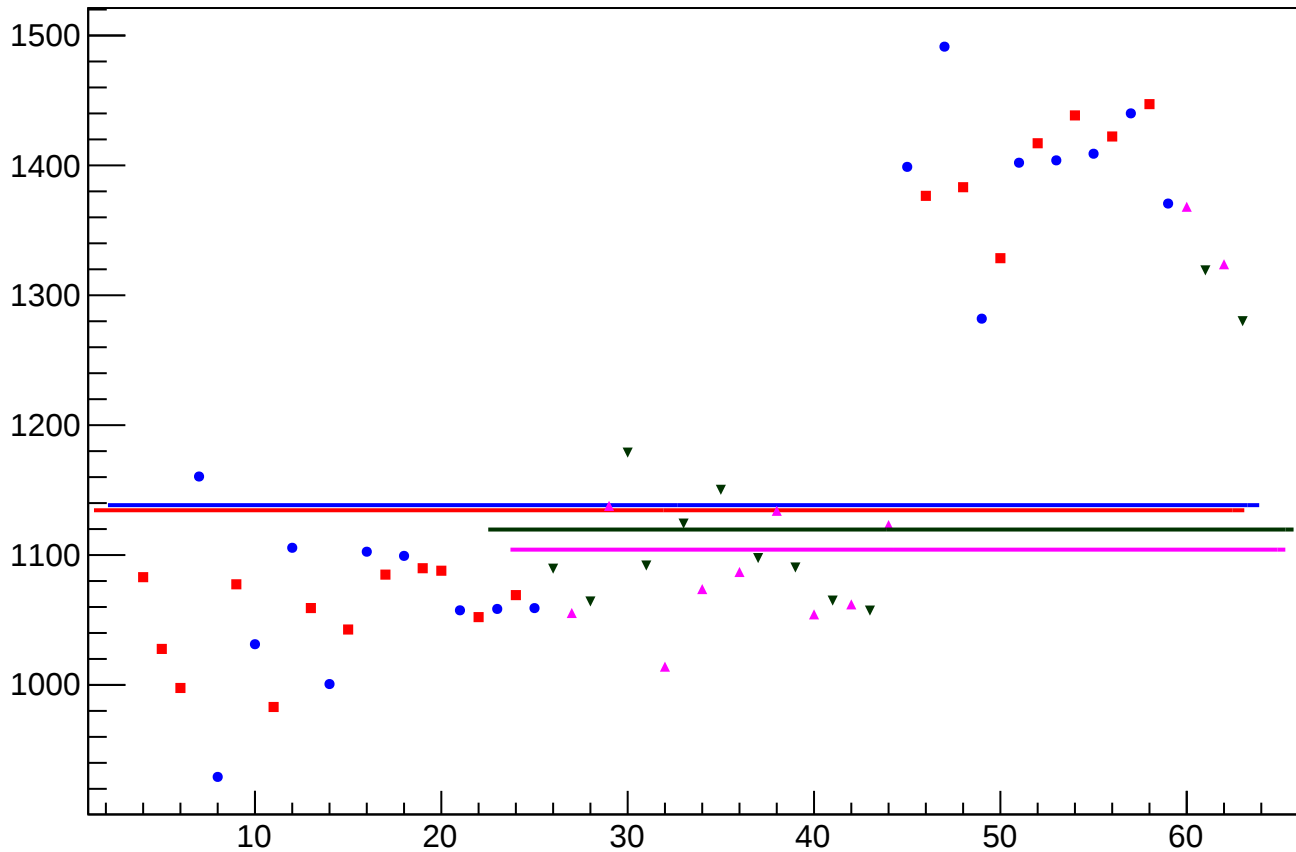
Right Out: 23.126 ± 0.362 $\chi^2/\text{NDF}: 7355.2/18$

Left In: -37.470 ± 0.430 $\chi^2/\text{NDF}: 3287.7/10$

-29.717 ± 0.272 $\chi^2/\text{NDF}: 40414.9/29$

-2.007 ± 0.277 $\chi^2/\text{NDF}: 22277.3/29$

diff_bpm2i02X_rms vs slug



Right In: 1138.411 $\pm$ 0.243 χ^2 /NDF: 488075.7/17

Left Out: 1119.640 $\pm$ 0.316 χ^2 /NDF: 52122.6/11

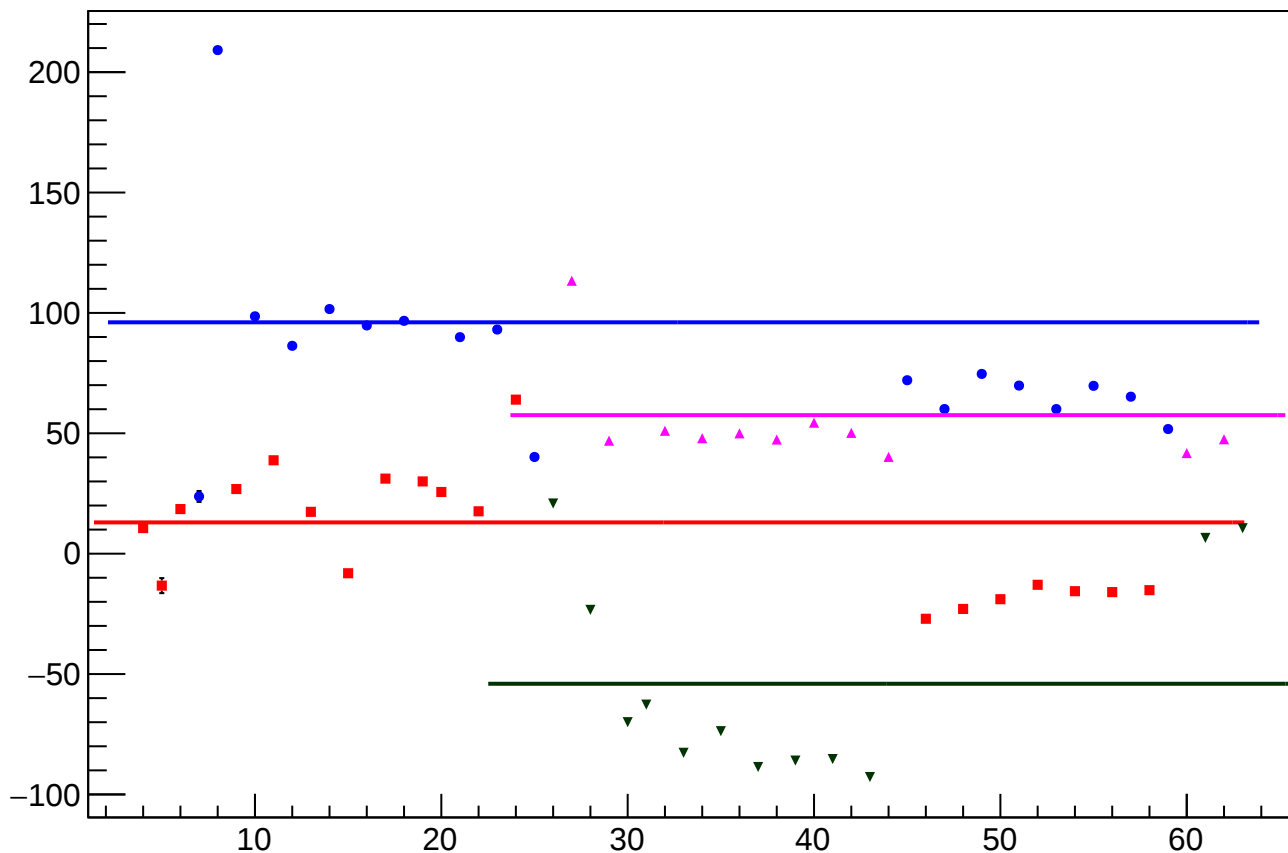
1131.436 $\pm$ 0.192 χ^2 /NDF: 542422.1/29

Right Out: 1134.479 $\pm$ 0.256 χ^2 /NDF: 360721.2/18

1121.903 $\pm$ 0.196 χ^2 /NDF: 458239.5/29

Left In: 1104.159 $\pm$ 0.304 χ^2 /NDF: 91692.8/10

diff_bpm2i02Y_mean vs slug



Right In: 96.096 $\pm$ 0.343 χ^2 /NDF: 17116.6/17

Left Out: -54.027 $\pm$ 0.447 χ^2 /NDF: 8125.0/11

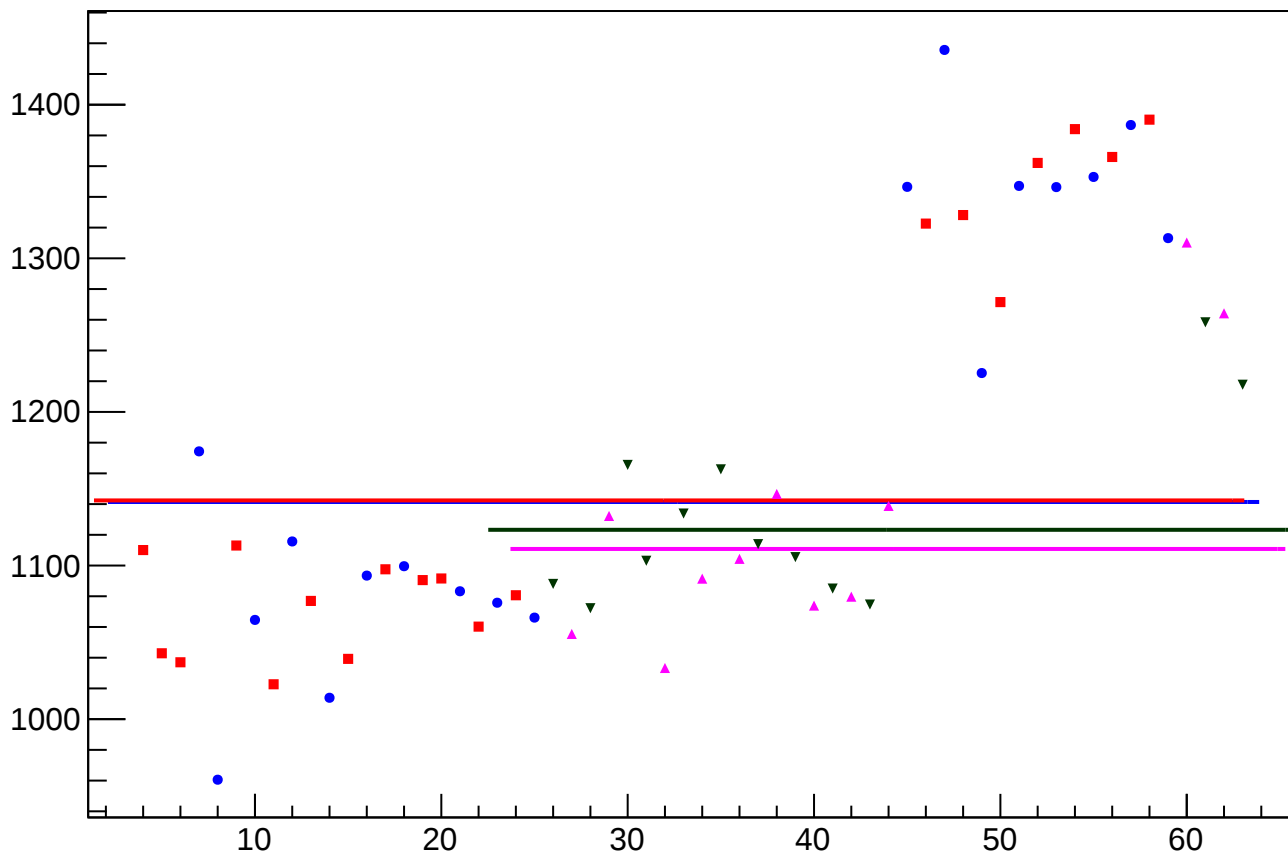
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 57.542 $\pm$ 0.432 χ^2 /NDF: 2861.7/10

40.518 $\pm$ 0.272 χ^2 /NDF: 96210.8/29

31.460 $\pm$ 0.278 χ^2 /NDF: 13638.1/29

diff_bpm2i02Y_rms vs slug



Right In: 1141.379 $\pm$ 0.242 χ^2 /NDF: 329306.4/17

Left Out: 1123.265 $\pm$ 0.316 χ^2 /NDF: 27119.3/11

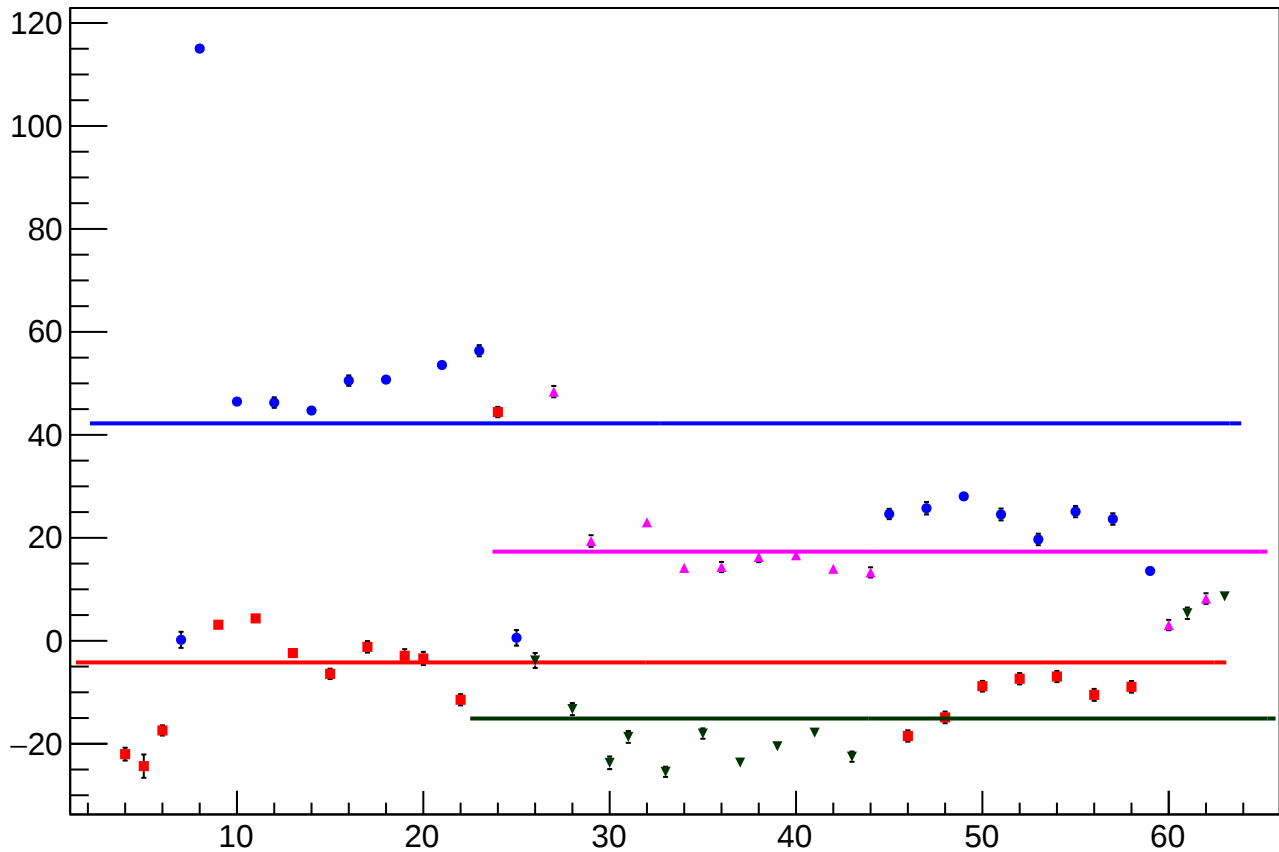
Right Out: 1142.390 $\pm$ 0.257 χ^2 /NDF: 236212.3/18

Left In: 1110.795 $\pm$ 0.305 χ^2 /NDF: 58440.7/10

1134.673 $\pm$ 0.192 χ^2 /NDF: 358492.3/29

1129.292 $\pm$ 0.197 χ^2 /NDF: 300925.0/29

diff_bpm1i04X_mean vs slug



Right In: 42.233+/-0.231 χ^2/NDF : 14293.4/17

Left Out: -15.091+/-0.300 χ^2/NDF :1374.4/11

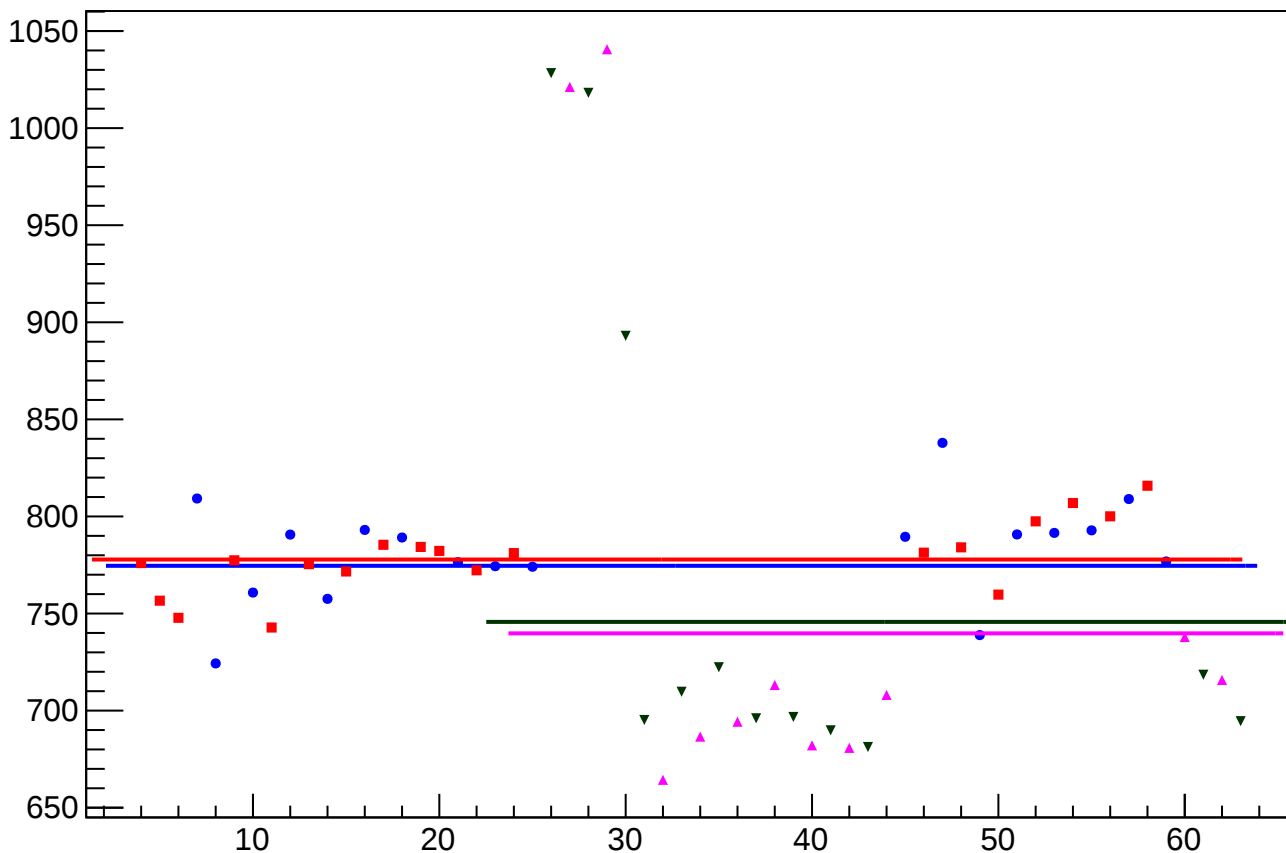
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

Left In: 17.317+/-0.290 χ^2/NDF :1194.2/10

20.885+/-0.183 χ^2/NDF : 38622.0/29

4.790+/-0.188 χ^2/NDF : 7773.7/29

diff_bpm1i04X_rms vs slug



Right In: 774.583+/-0.163 χ^2/NDF : 26360.5/17

Left Out: 745.691+/-0.212 χ^2/NDF : 252690.5/11

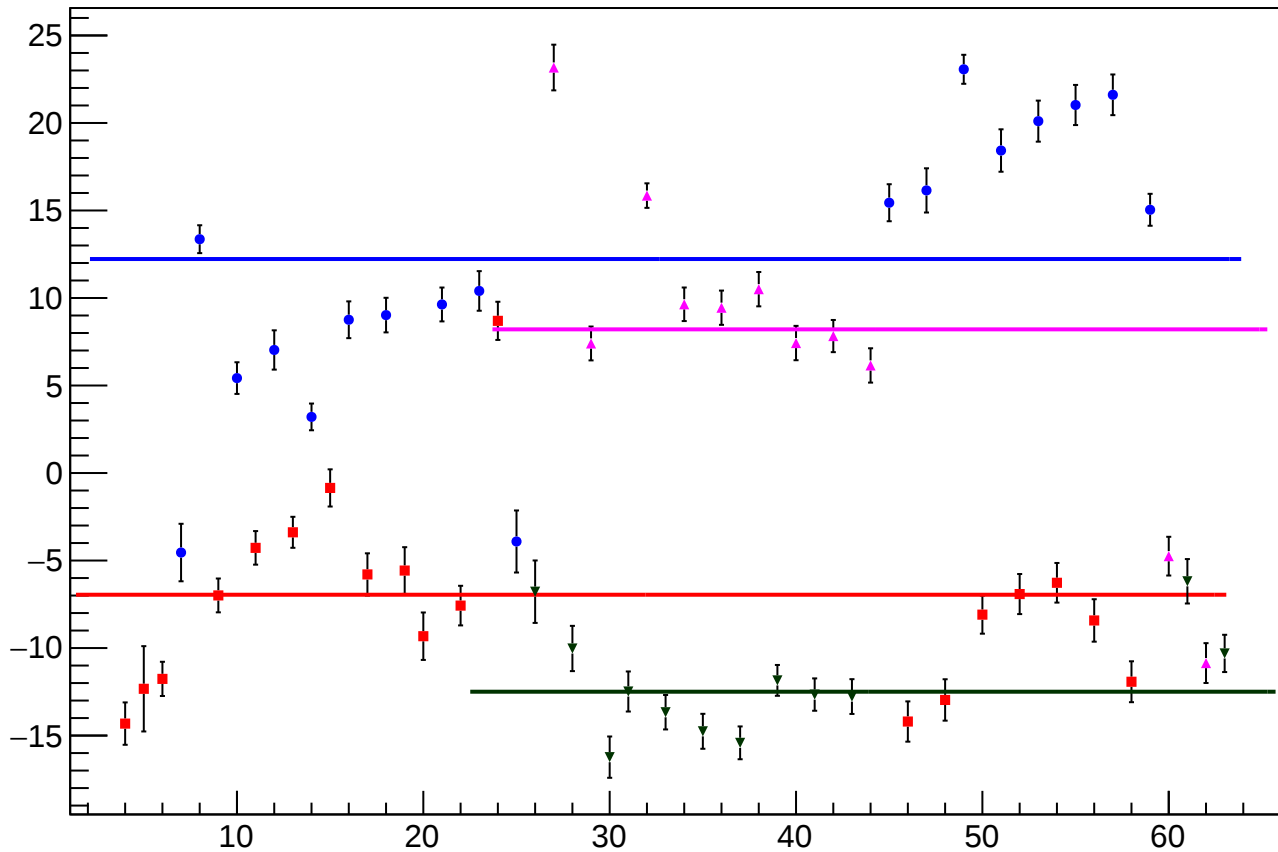
Right Out: 777.816+/-0.174 χ^2/NDF : 11180.5/18

Left In: 739.791+/-0.205 χ^2/NDF : 325238.9/10

763.824+/-0.129 χ^2/NDF : 290712.8/29

761.932+/-0.133 χ^2/NDF : 356418.9/29

diff_bpm1i04Y_mean vs slug



Right In: 12.227 $\pm$ 0.244 χ^2 /NDF: 832.9/17

Left Out: -12.495 $\pm$ 0.308 χ^2 /NDF: 69.8/11

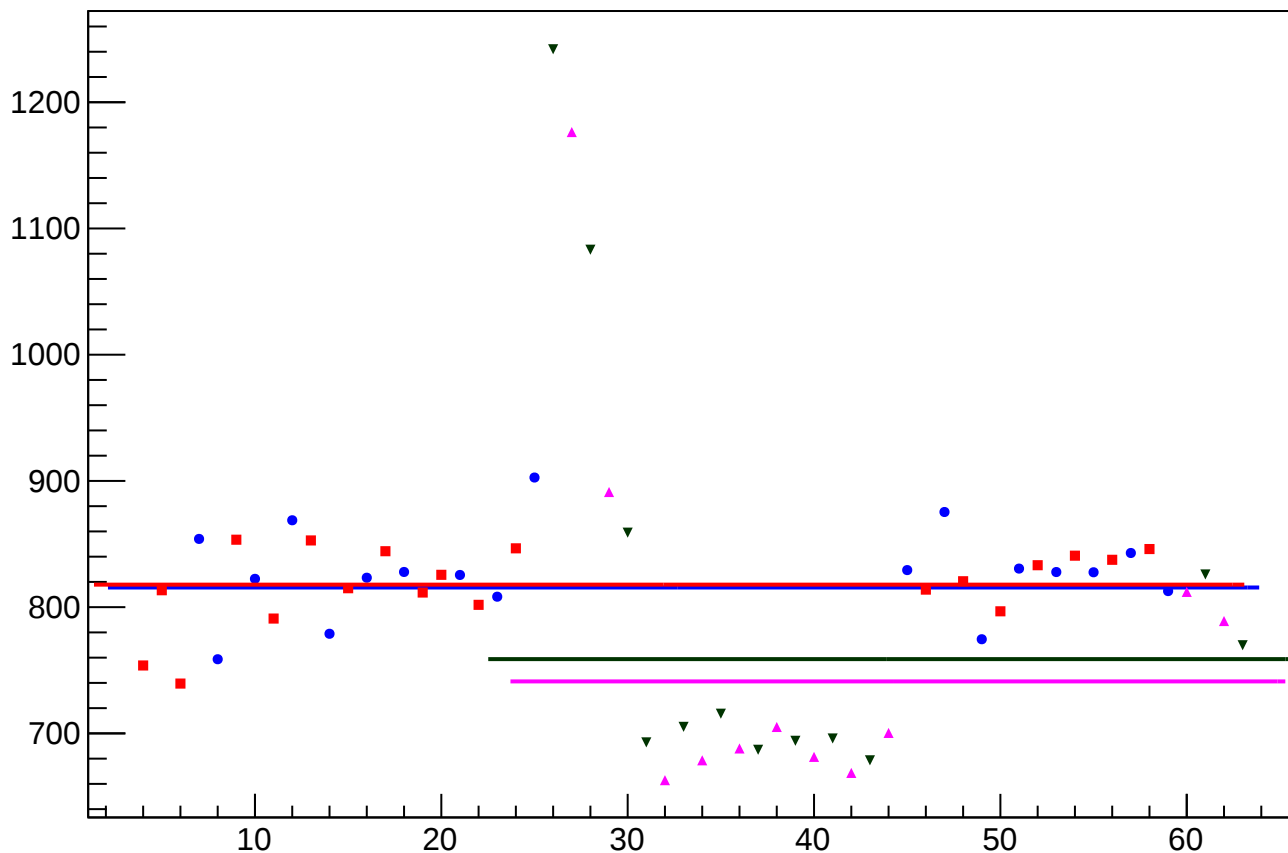
Right Out: -6.954 $\pm$ 0.259 χ^2 /NDF: 420.8/18

Left In: 8.208 $\pm$ 0.292 χ^2 /NDF: 683.4/10

2.718 $\pm$ 0.191 χ^2 /NDF: 4867.4/29

-0.281 $\pm$ 0.194 χ^2 /NDF: 2611.8/29

diff_bpm1i04Y_rms vs slug



Right In: 815.575+/-0.172 χ^2/NDF : 37644.6/17

Left Out: 758.840+/-0.218 χ^2/NDF : 353839.7/11

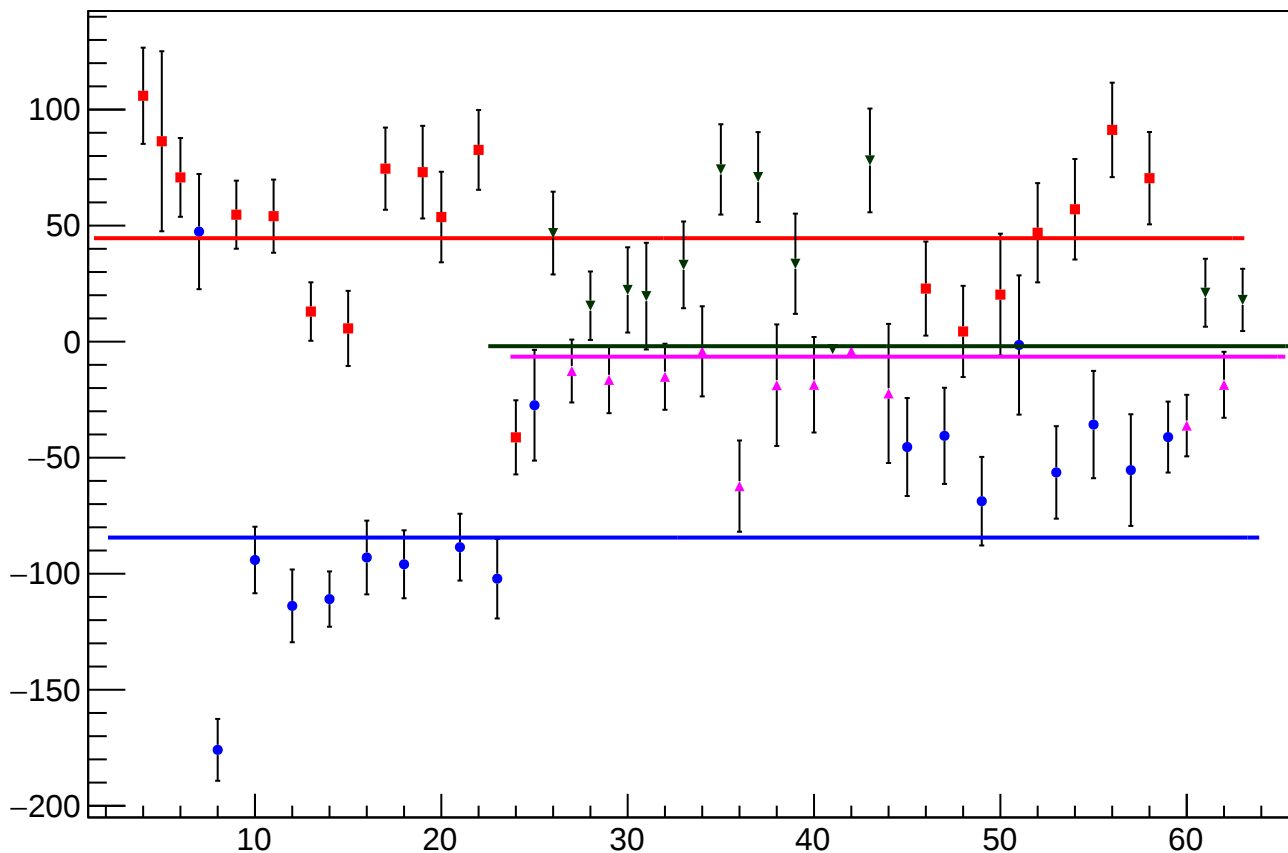
Right Out: 817.840+/-0.183 χ^2/NDF : 32410.2/18

Left In: 741.181+/-0.207 χ^2/NDF : 347490.4/10

793.752+/-0.135 χ^2/NDF : 433245.7/29

784.100+/-0.137 χ^2/NDF : 456983.1/29

diff_bpm0l02X_mean vs slug



Right In: -84.415 ± 4.060 χ^2/NDF : 124.1/17

Left Out: -1.959 ± 0.967 χ^2/NDF : 66.3/11

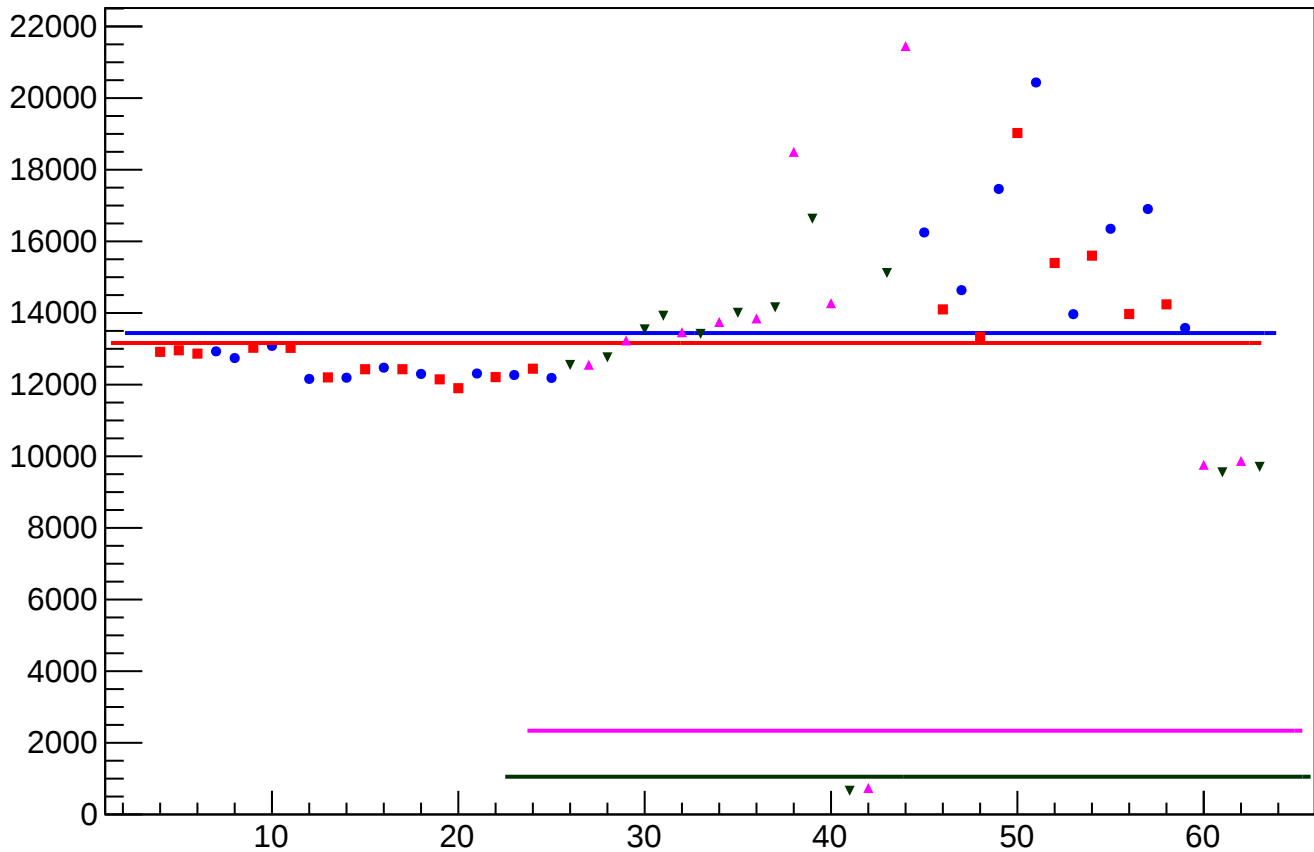
Right Out: 44.573 ± 4.203 χ^2/NDF : 77.6/18

Left In: -6.476 ± 1.919 χ^2/NDF : 17.0/10

-6.387 ± 0.941 χ^2/NDF : 580.8/29

2.334 ± 1.746 χ^2/NDF : 216.7/29

diff_bpm0l02X_rms vs slug



Right In: 13440.177+/-2.871 χ^2/NDF : 403912.7/17

Left Out: 1053.419+/-0.684 χ^2/NDF : 9976775.2/11

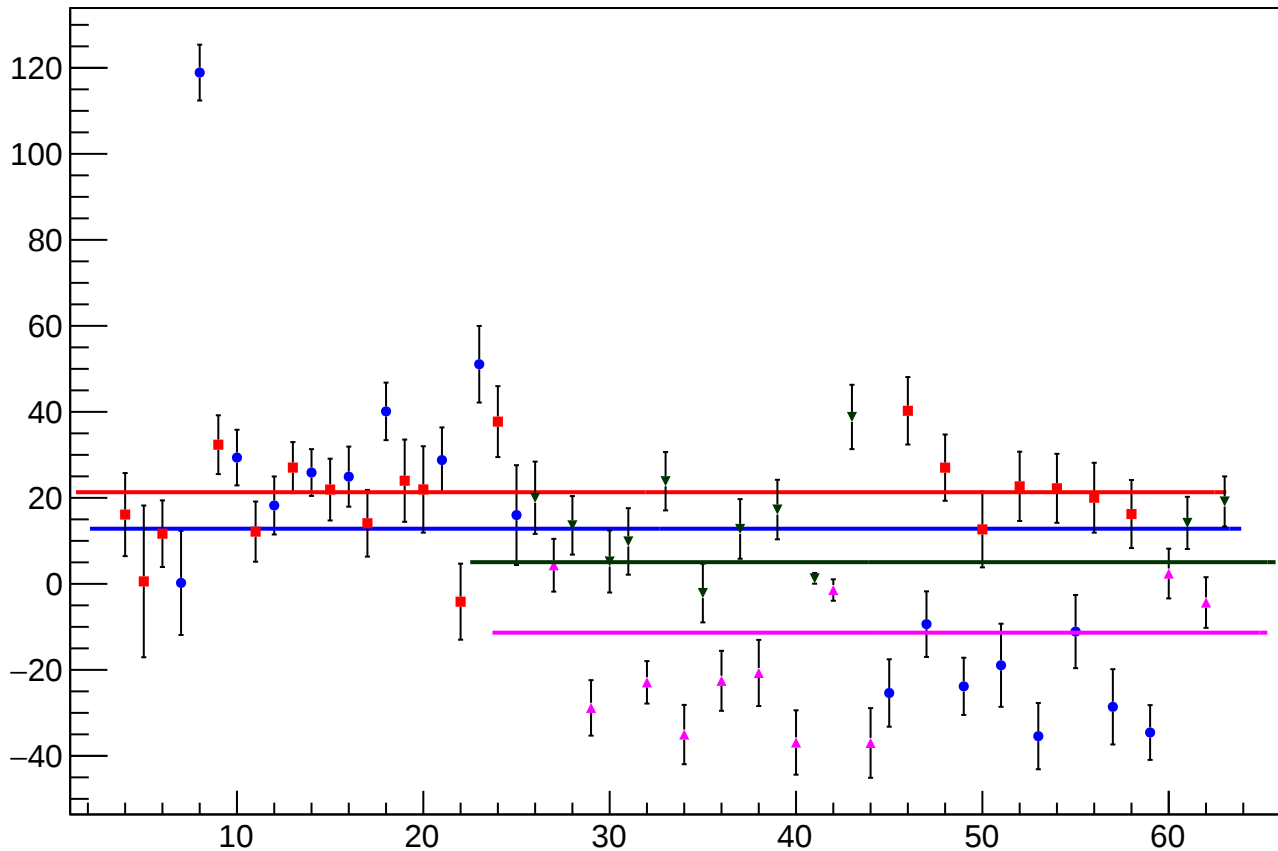
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

Left In: 2338.115+/-1.357 χ^2/NDF : 9527707.7/10

1718.596+/-0.665 χ^2/NDF : 27997996.8/29

4206.212+/-1.235 χ^2/NDF : 20710752.9/29

diff_bpm0l02Y_mean vs slug



Right In: 12.827 ± 1.752 χ^2/NDF : 521.8/17

Left Out: 5.046 ± 1.069 χ^2/NDF : 55.9/11

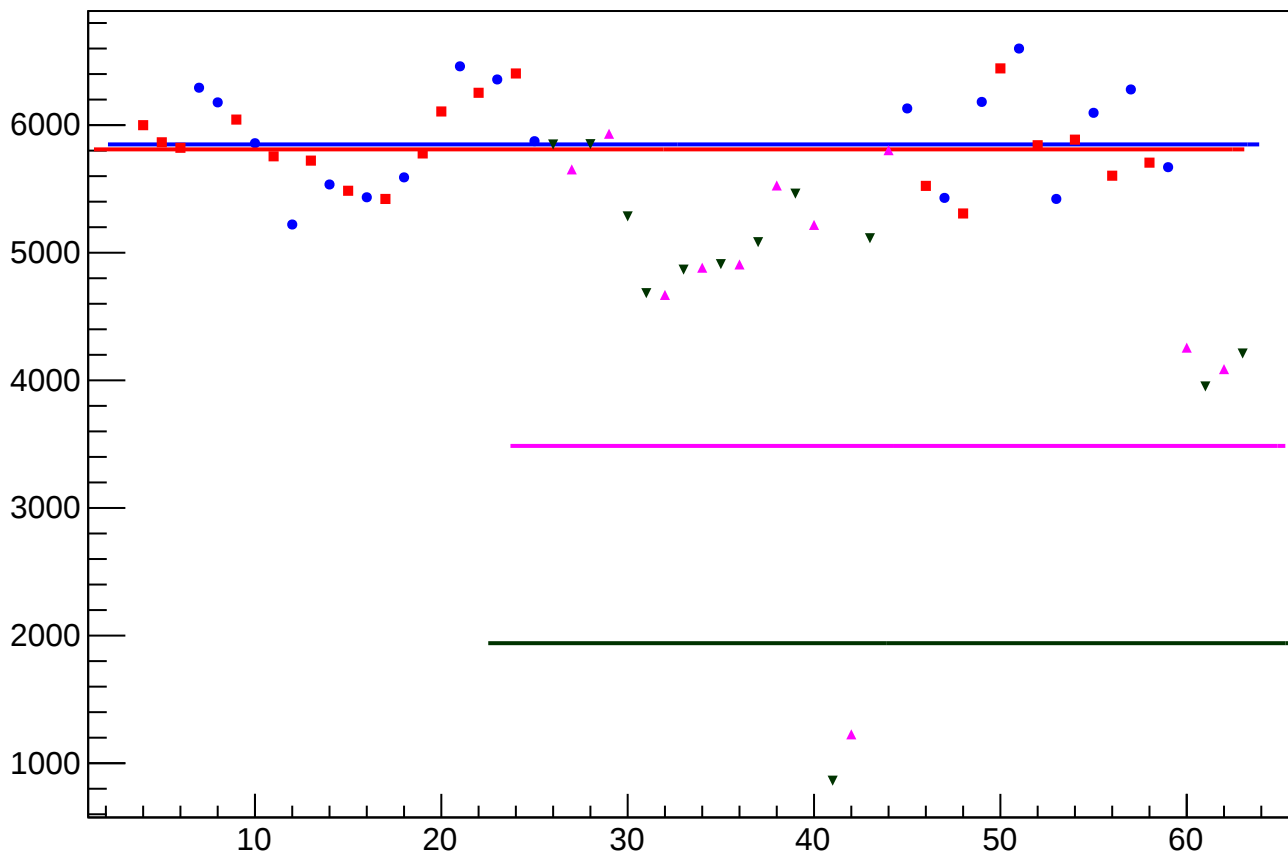
Right Out: 21.314 ± 1.847 χ^2/NDF : 29.5/18

Left In: -11.348 ± 1.575 χ^2/NDF : 79.8/10

7.156 ± 0.913 χ^2/NDF : 592.0/29

2.403 ± 1.198 χ^2/NDF : 290.4/29

diff_bpm0l02Y_rms vs slug



Right In: 5848.690+/-1.239 χ^2/NDF : 101335.3/17

Left Out: 1940.535+/-0.756 χ^2/NDF : 5831096.4/11

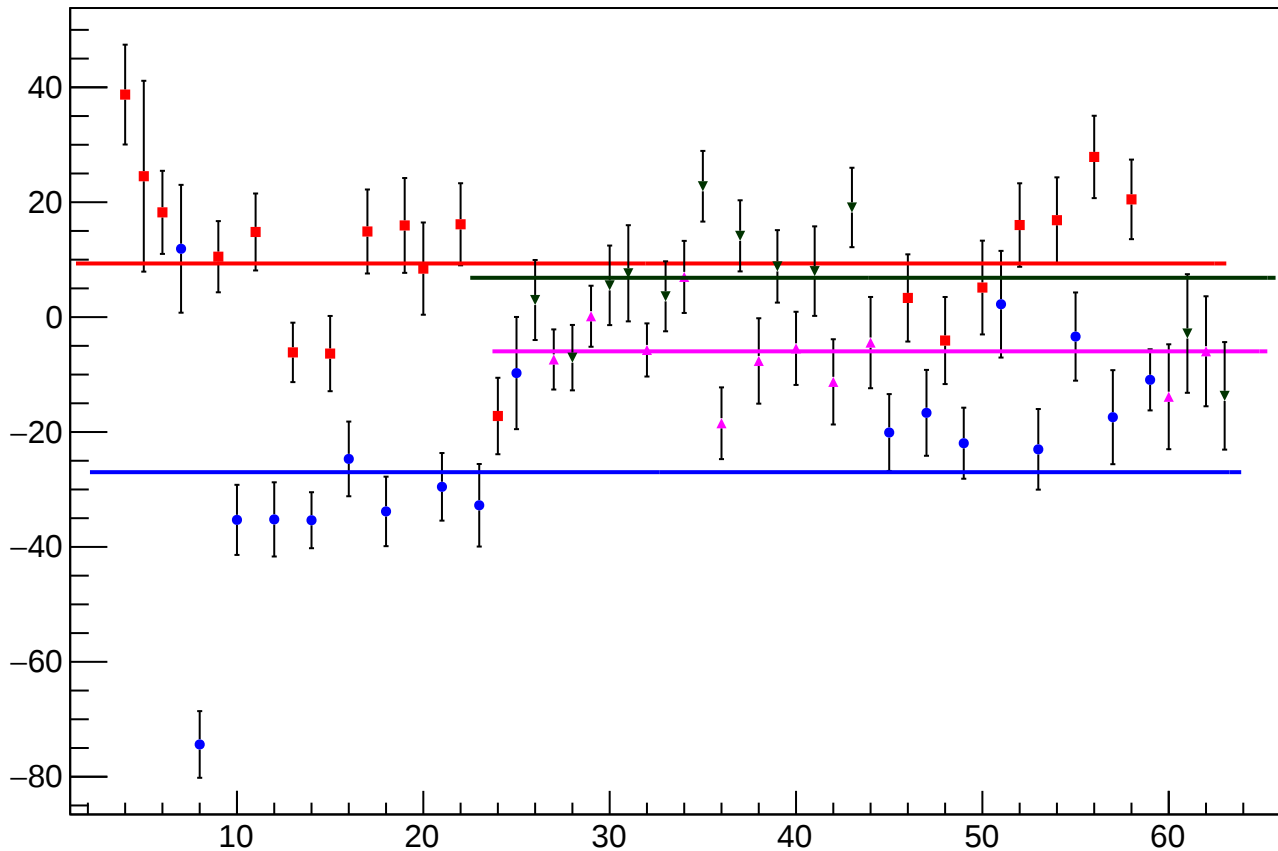
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

Left In: 3486.248+/-1.114 χ^2/NDF : 2931924.4/10

3000.347+/-0.645 χ^2/NDF : 13182211.0/29

4464.466+/-0.847 χ^2/NDF : 4817837.8/29

diff_bpm0l03X_mean vs slug



Right In: -26.989 ± 1.569 $\chi^2/\text{NDF}: 124.5/17$

Left Out: 6.845 ± 2.002 $\chi^2/\text{NDF}: 23.7/11$

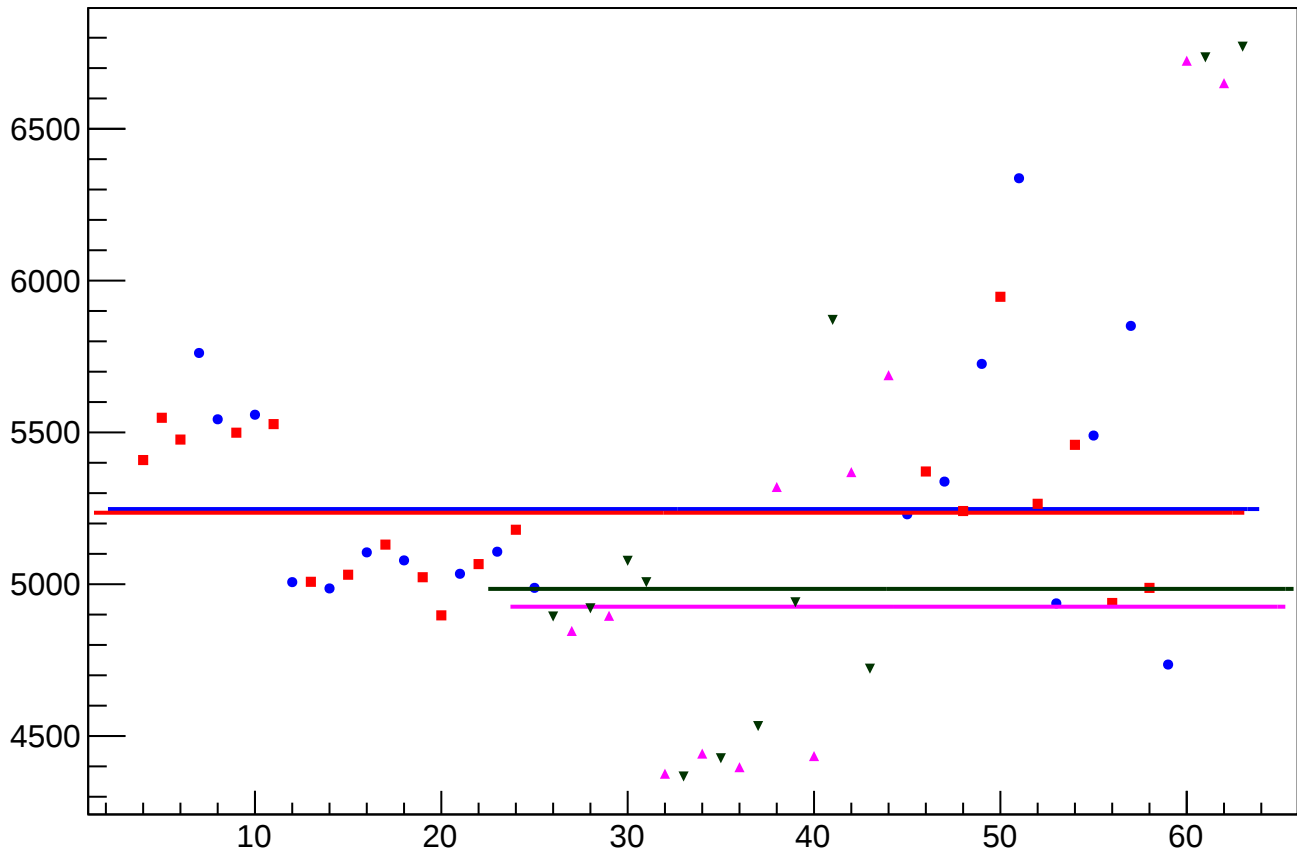
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

Left In: -5.958 ± 1.926 $\chi^2/\text{NDF}: 11.0/10$

-14.113 ± 1.235 $\chi^2/\text{NDF}: 325.0/29$

2.822 ± 1.257 $\chi^2/\text{NDF}: 109.7/29$

diff_bpm0l03X_rms vs slug



Right In: 5247.571+/-1.110 χ^2/NDF : 105629.3/17

Left Out: 4984.600+/-1.416 χ^2/NDF : 207833.1/11

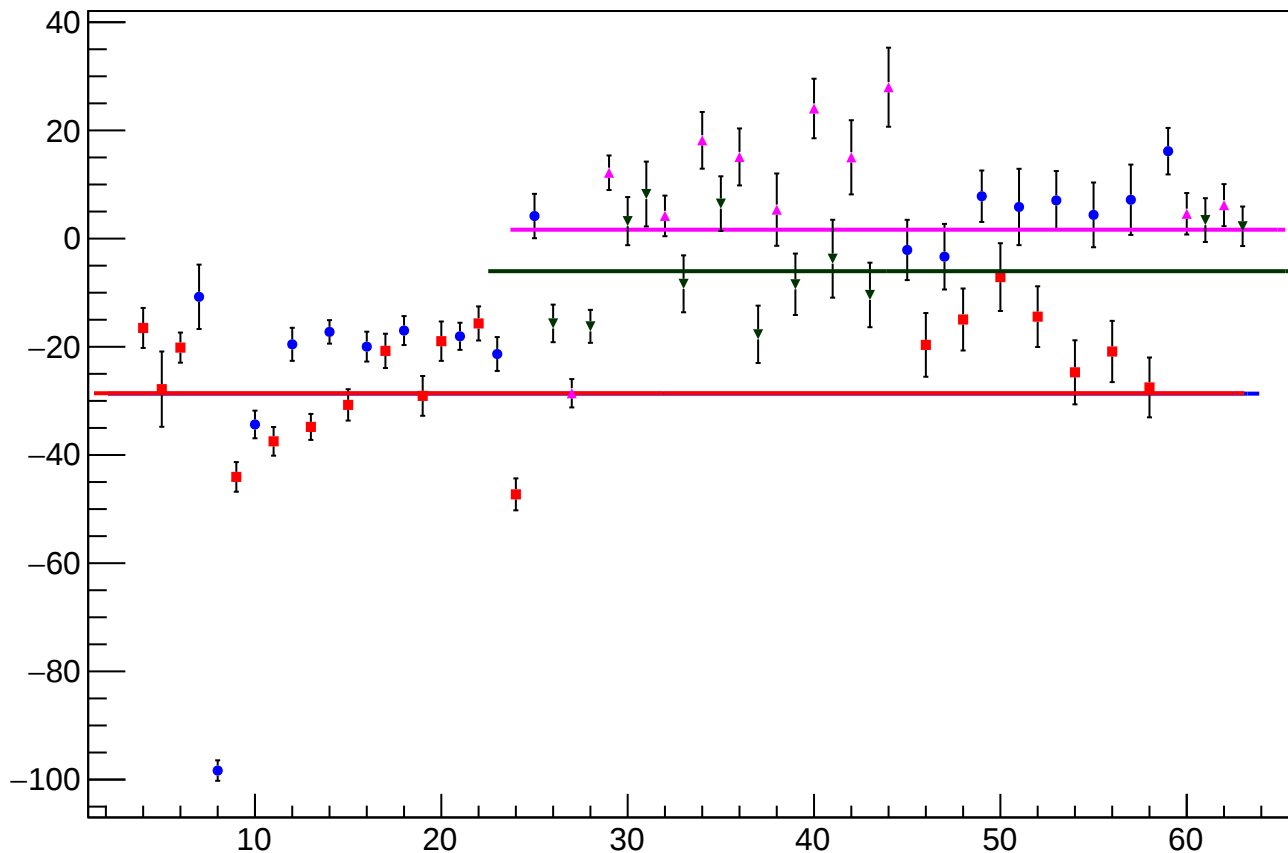
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 4925.948+/-1.362 χ^2/NDF : 240666.8/10

5147.499+/-0.873 χ^2/NDF : 334830.9/29

5103.620+/-0.889 χ^2/NDF : 317469.6/29

diff_bpm0l03Y_mean vs slug



Right In: -28.657 ± 0.782 $\chi^2/\text{NDF}: 1857.6/17$

Left Out: -6.023 ± 1.297 $\chi^2/\text{NDF}: 51.5/11$

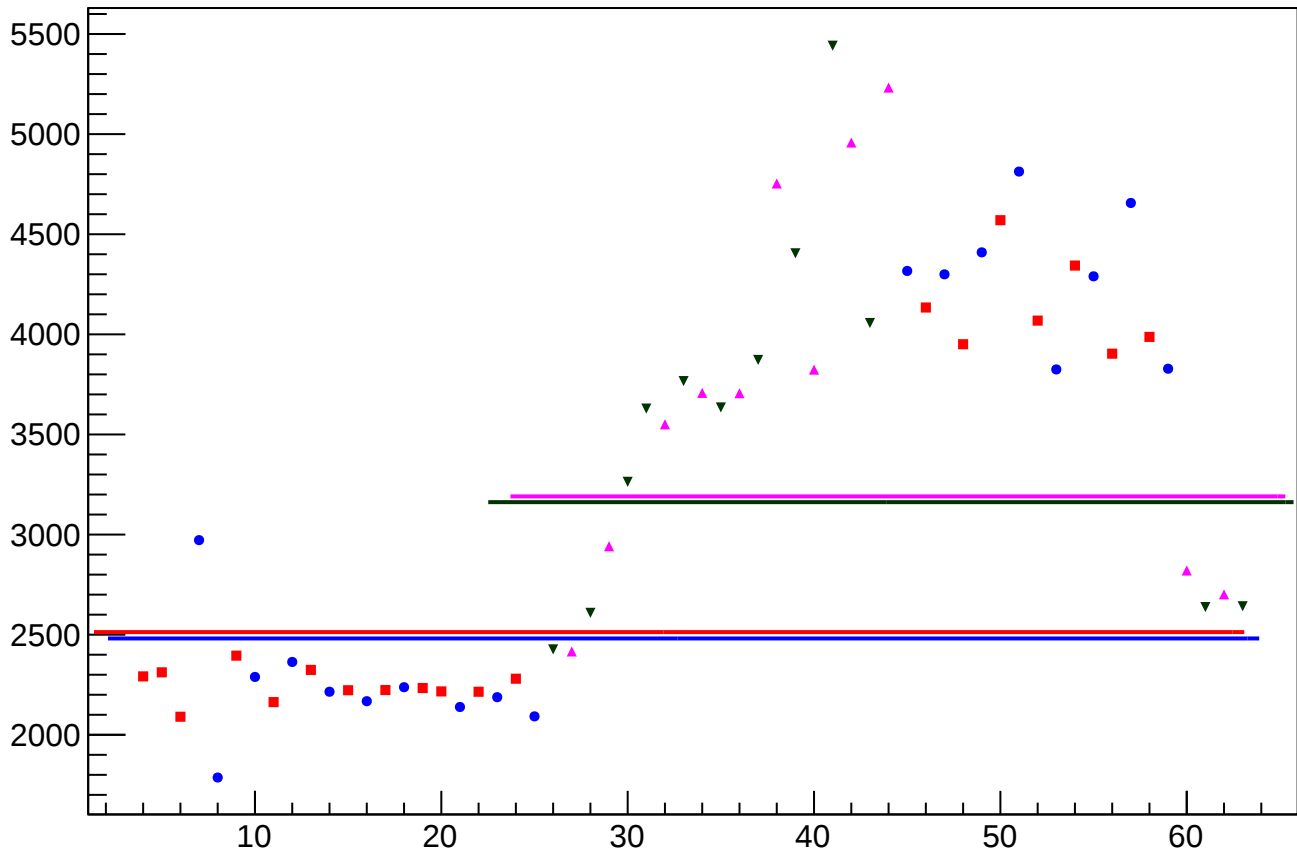
Right Out: -28.584 ± 0.826 $\chi^2/\text{NDF}: 168.7/18$

Left In: 1.640 ± 1.273 $\chi^2/\text{NDF}: 196.5/10$

-22.623 ± 0.670 $\chi^2/\text{NDF}: 2132.4/29$

-19.627 ± 0.693 $\chi^2/\text{NDF}: 761.6/29$

diff_bpm0l03Y_rms vs slug



Right In: 2481.193+/-0.553 χ^2/NDF : 2112375.4/17

Left Out: 3161.932+/-0.917 χ^2/NDF : 664182.1/11

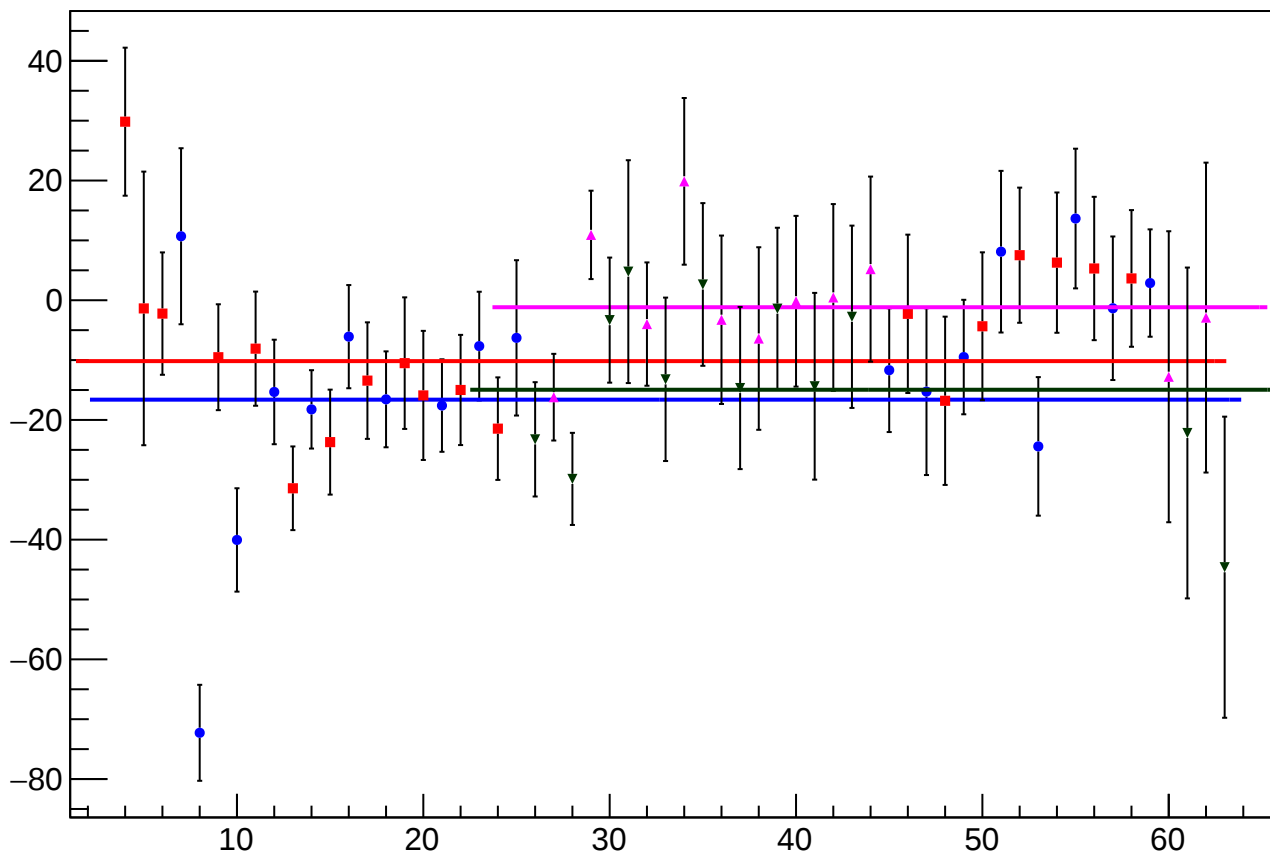
2662.691+/-0.474 χ^2/NDF : 3180580.5/29

Right Out: 2512.934+/-0.584 χ^2/NDF : 1298593.5/18

2713.778+/-0.490 χ^2/NDF : 2416320.3/29

Left In: 3190.658+/-0.900 χ^2/NDF : 719122.5/10

diff_bpm0l04X_mean vs slug



Right In: -16.612 ± 2.242 χ^2/NDF : 79.9/17

Left Out: -14.955 ± 3.703 χ^2/NDF : 11.7/11

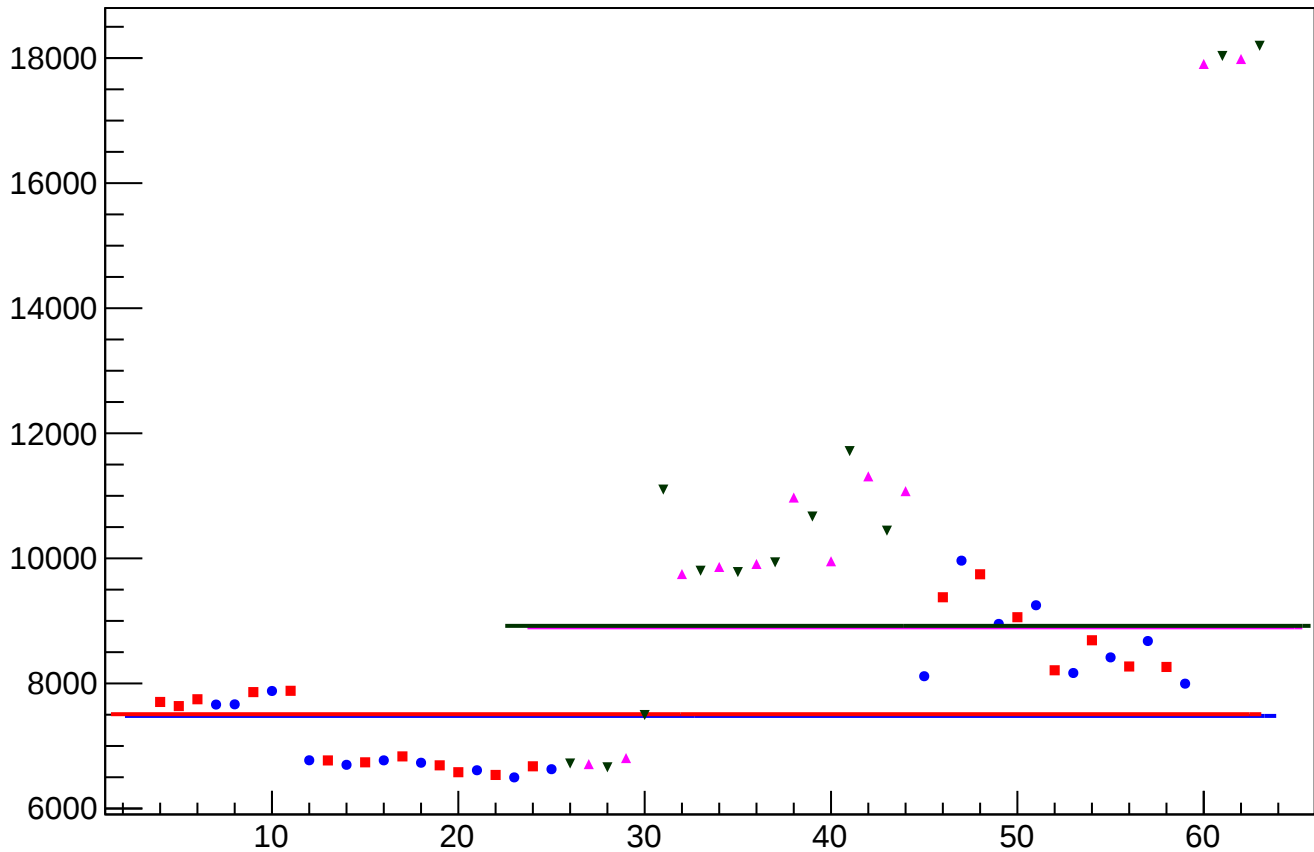
Right Out: -10.172 ± 2.389 χ^2/NDF : 33.7/18

Left In: -1.169 ± 3.587 χ^2/NDF : 9.9/10

-16.167 ± 1.918 χ^2/NDF : 91.7/29

-7.405 ± 1.988 χ^2/NDF : 47.9/29

diff_bpm0l04X_rms vs slug



Right In: 7480.718+/-1.585 χ^2/NDF : 334863.0/17

Left Out: 8920.770+/-2.619 χ^2/NDF : 978221.5/11

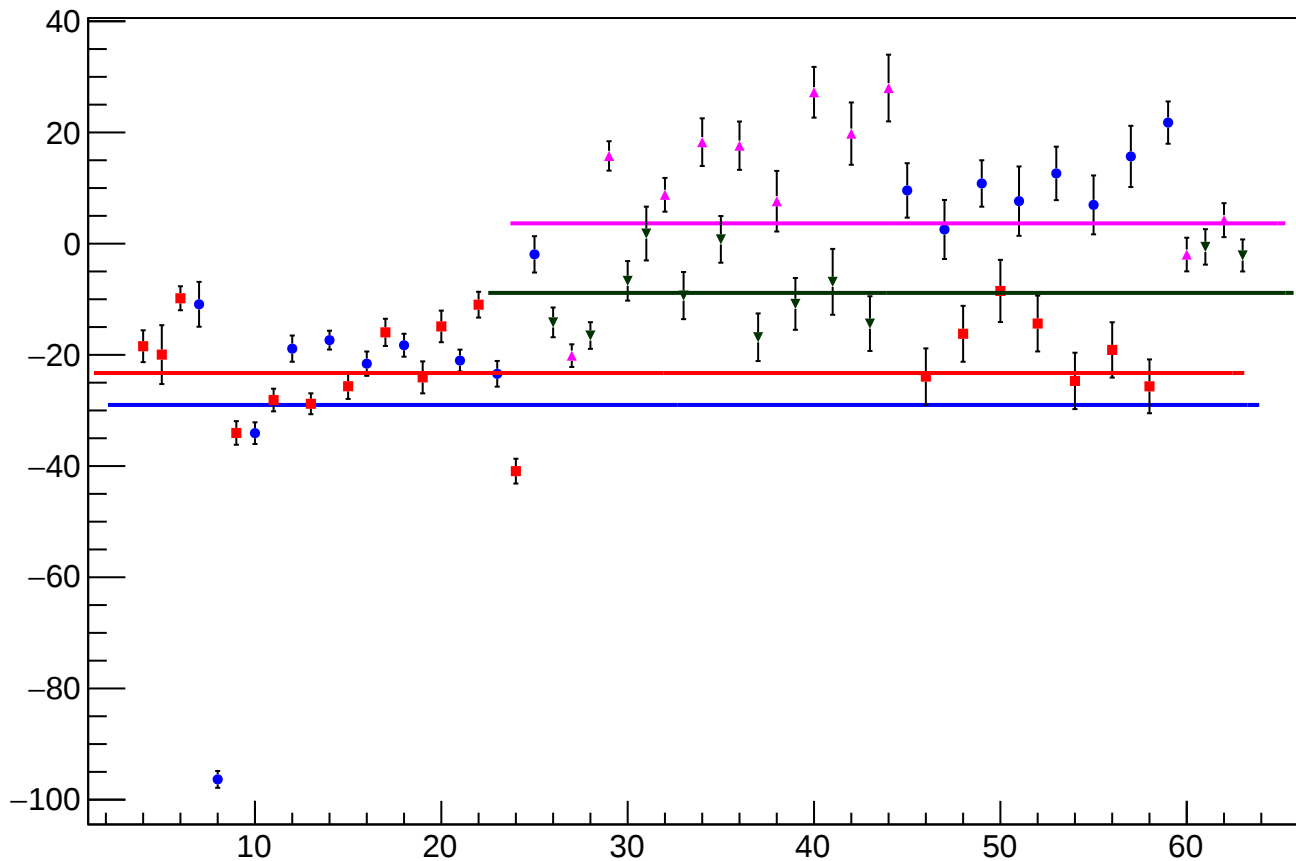
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 8897.350+/-2.536 χ^2/NDF : 1033192.6/10

7866.863+/-1.356 χ^2/NDF : 1534388.0/29

7935.169+/-1.406 χ^2/NDF : 1530462.0/29

diff_bpm0l04Y_mean vs slug



Right In: -29.007 ± 0.618 χ^2/NDF : 2792.0/17

Left Out: -8.855 ± 1.033 χ^2/NDF : 41.9/11

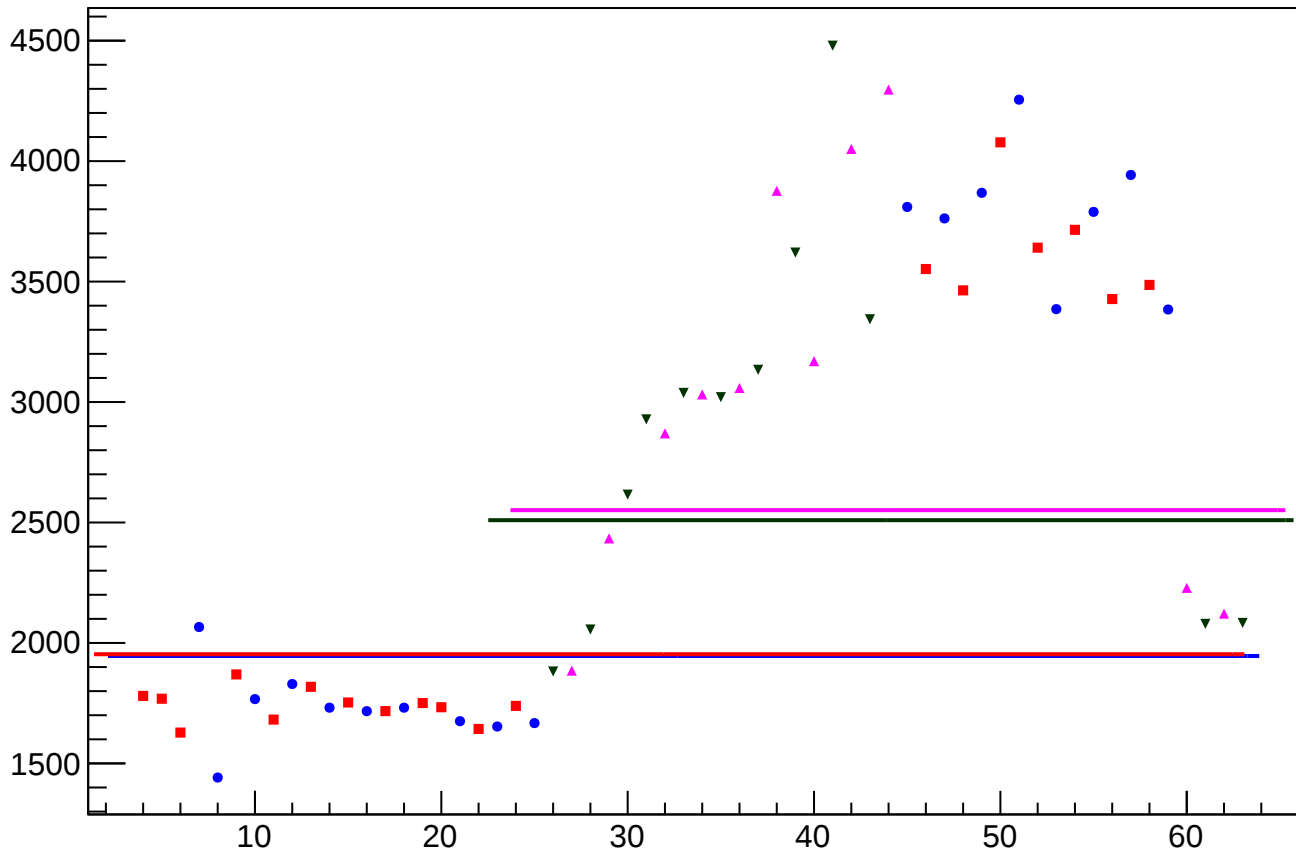
Right Out: -23.263 ± 0.648 χ^2/NDF : 204.8/18

Left In: 3.656 ± 1.022 χ^2/NDF : 237.6/10

-23.691 ± 0.531 χ^2/NDF : 3114.1/29

-15.544 ± 0.547 χ^2/NDF : 937.4/29

diff_bpm0l04Y_rms vs slug



Right In: 1945.876+/-0.437 χ^2/NDF : 2599522.0/17

Left Out: 2509.659+/-0.730 χ^2/NDF : 774285.9/11

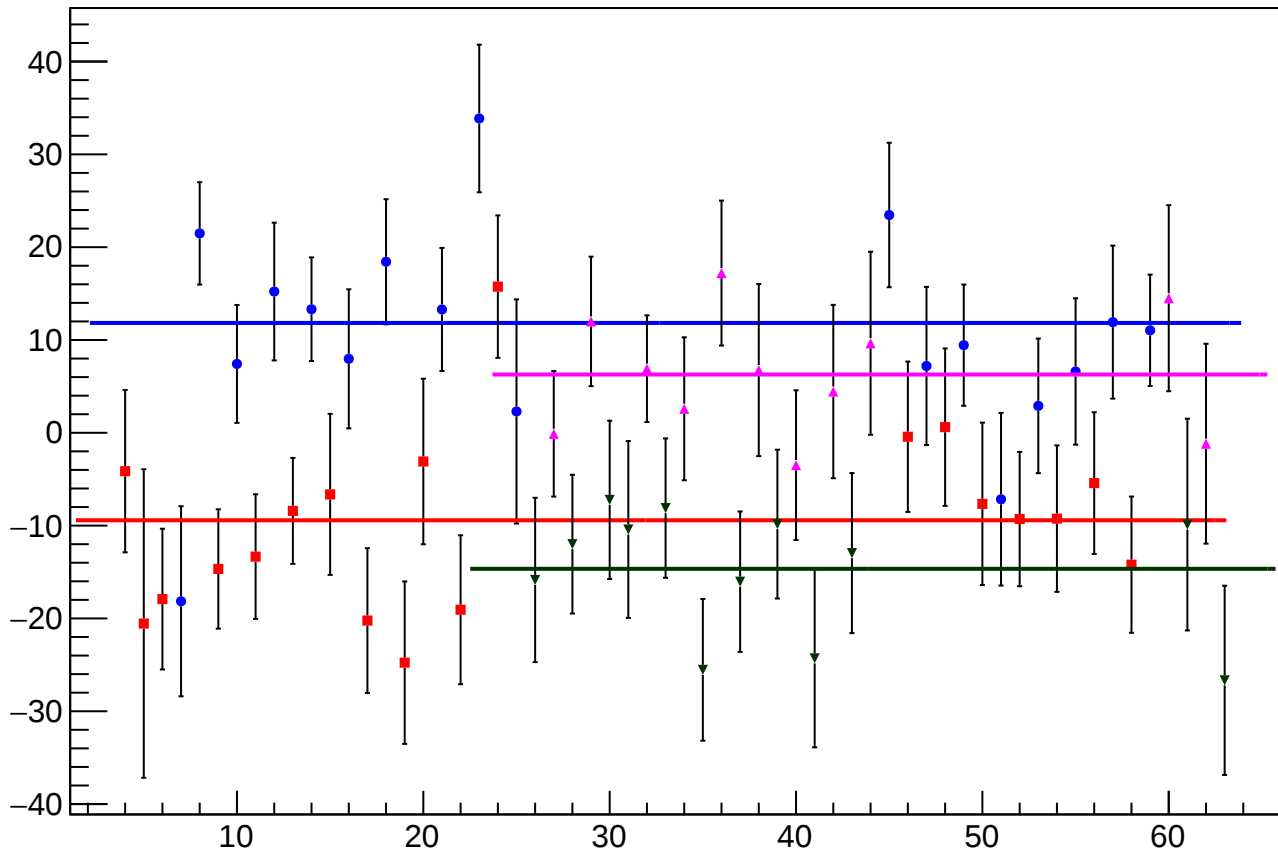
2094.594+/-0.375 χ^2/NDF : 3812423.1/29

Right Out: 1953.157+/-0.458 χ^2/NDF : 1725858.1/18

2124.630+/-0.387 χ^2/NDF : 3036384.4/29

Left In: 2551.142+/-0.723 χ^2/NDF : 822062.5/10

diff_bpm0l05X_mean vs slug



Right In: 11.837 ± 1.701 $\chi^2/\text{NDF}: 30.8/17$

Left Out: -14.654 ± 2.462 $\chi^2/\text{NDF}: 6.9/11$

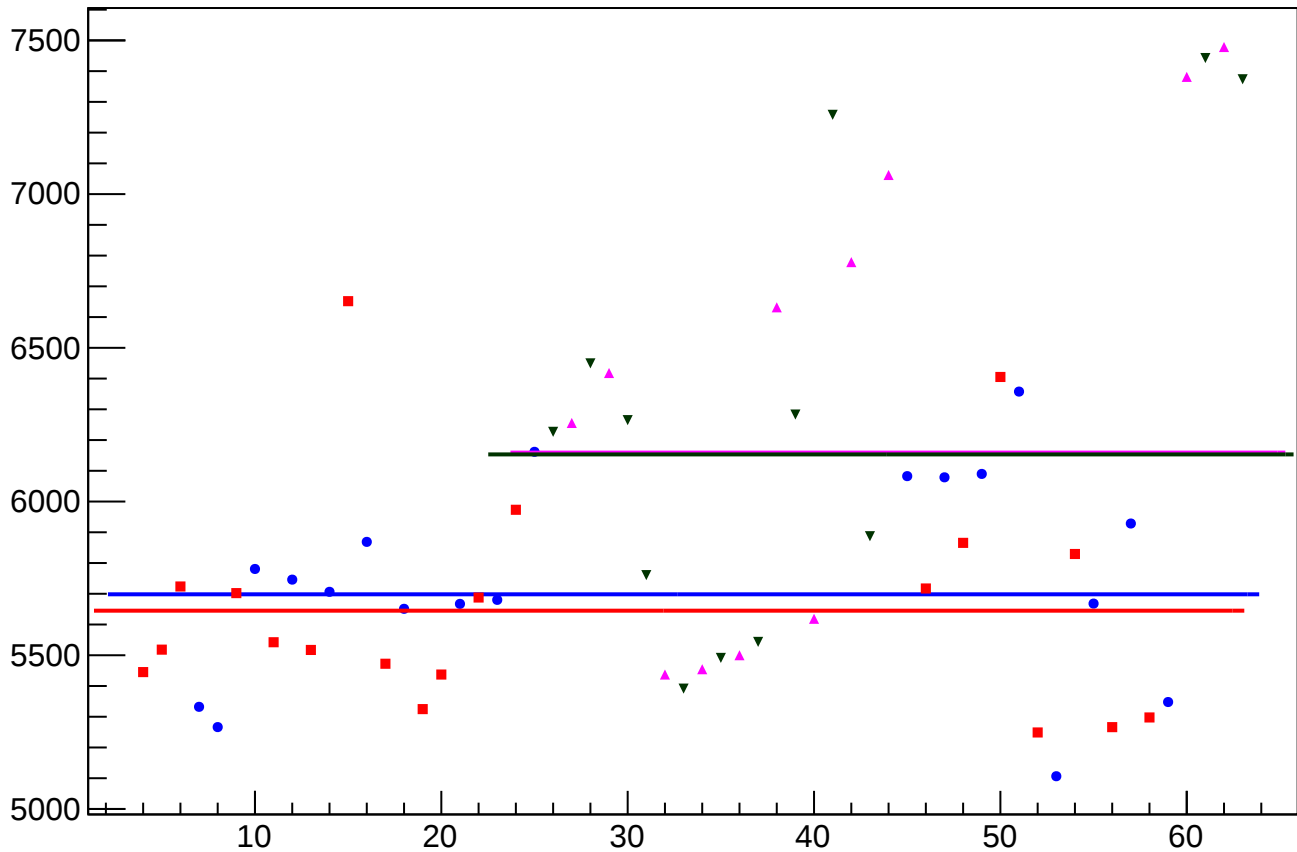
Right Out: -9.425 ± 1.790 $\chi^2/\text{NDF}: 24.3/18$

Left In: 6.281 ± 2.402 $\chi^2/\text{NDF}: 6.5/10$

3.276 ± 1.400 $\chi^2/\text{NDF}: 116.1/29$

-3.817 ± 1.435 $\chi^2/\text{NDF}: 58.3/29$

diff_bpm0l05X_rms vs slug



Right In: 5698.250+/-1.203 χ^2/NDF : 67217.8/17

Left Out: 6153.313+/-1.741 χ^2/NDF : 138795.1/11

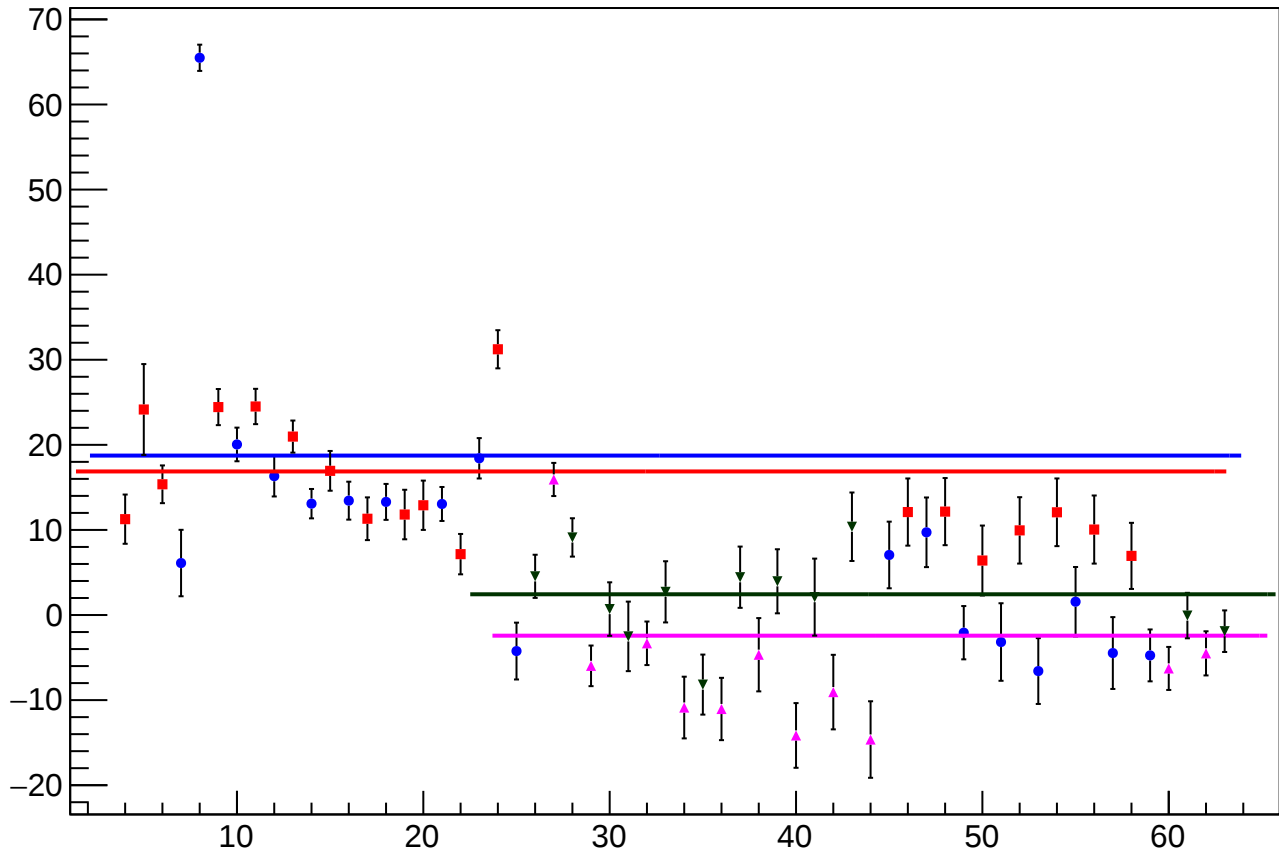
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6159.194+/-1.698 χ^2/NDF : 165248.5/10

5845.315+/-0.990 χ^2/NDF : 252264.6/29

5828.591+/-1.015 χ^2/NDF : 295651.6/29

diff_bpm0l05Y_mean vs slug



Right In: 18.738 ± 0.602 χ^2/NDF : 1241.3/17

Left Out: 2.438 ± 0.899 χ^2/NDF : 28.7/11

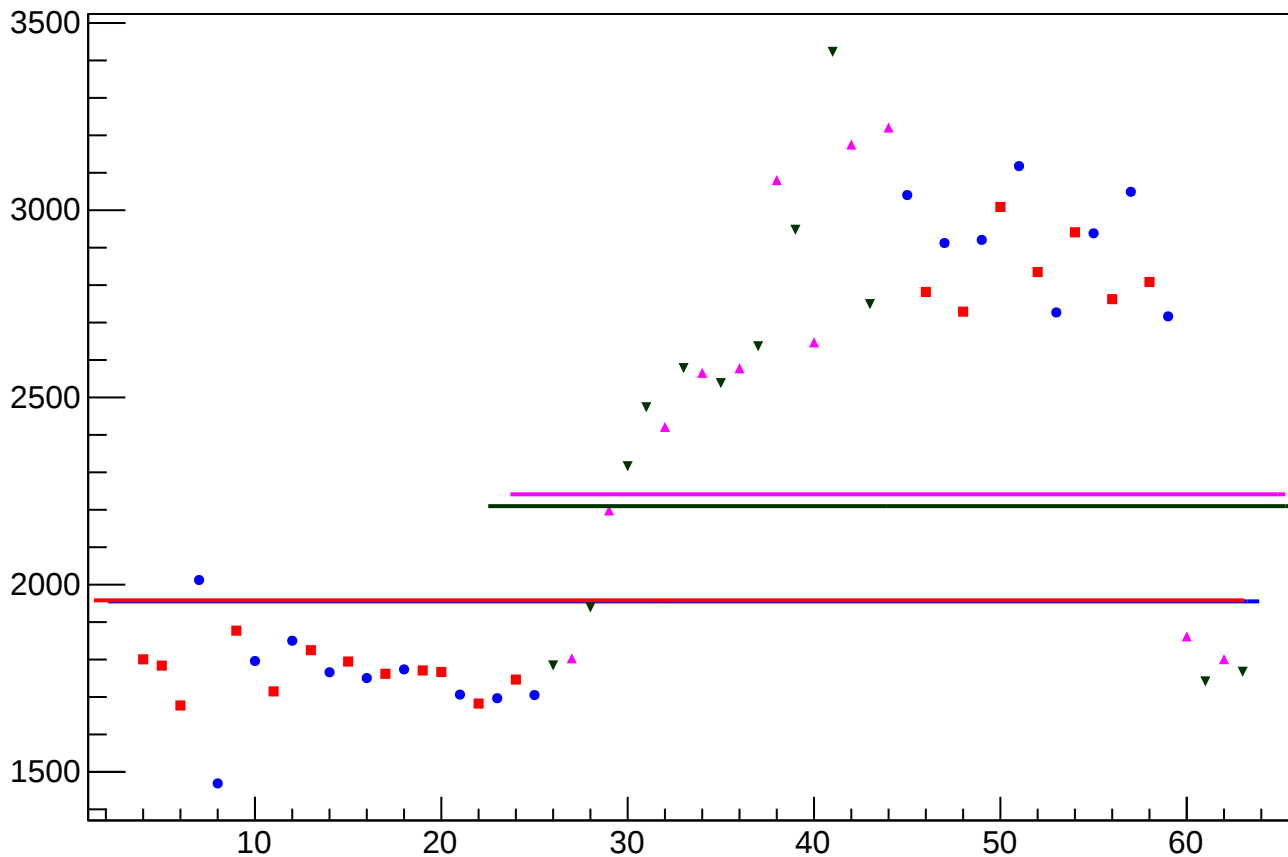
Right Out: 16.874 ± 0.633 χ^2/NDF : 128.0/18

Left In: -2.427 ± 0.887 χ^2/NDF : 124.5/10

13.697 ± 0.500 χ^2/NDF : 1497.0/29

10.354 ± 0.515 χ^2/NDF : 566.3/29

diff_bpm0l05Y_rms vs slug



Right In: 1955.370 $\pm$ 0.425 χ^2 /NDF: 1375682.1/17

Left Out: 2209.725 $\pm$ 0.636 χ^2 /NDF: 545557.4/11

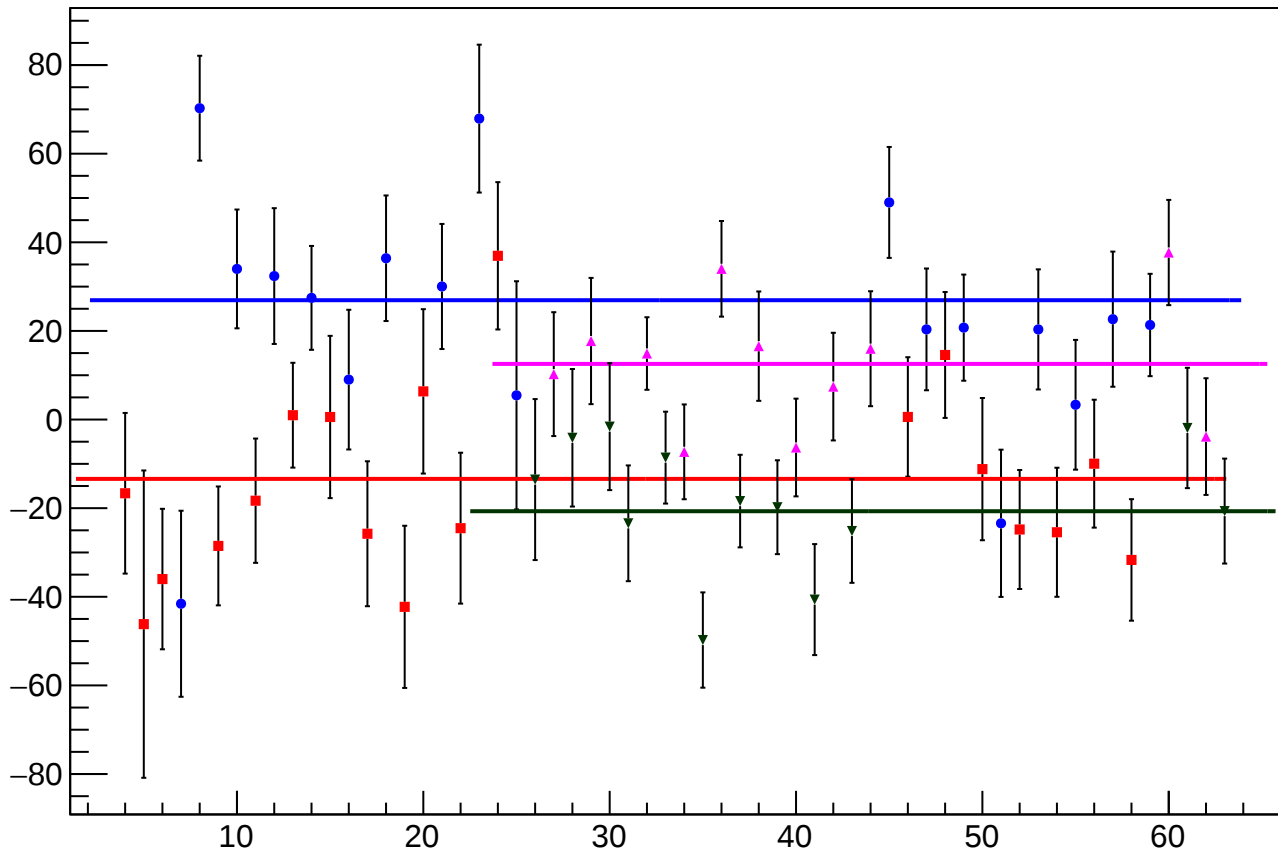
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

Left In: 2241.296 $\pm$ 0.627 χ^2 /NDF: 531786.7/10

2034.038 $\pm$ 0.354 χ^2 /NDF: 2031790.6/29

2053.770 $\pm$ 0.364 χ^2 /NDF: 1524972.6/29

diff_bpm0l06X_mean vs slug



Right In: 26.931 ± 3.337 $\chi^2/\text{NDF}: 48.9/17$

Left Out: -20.689 ± 3.532 $\chi^2/\text{NDF}: 16.4/11$

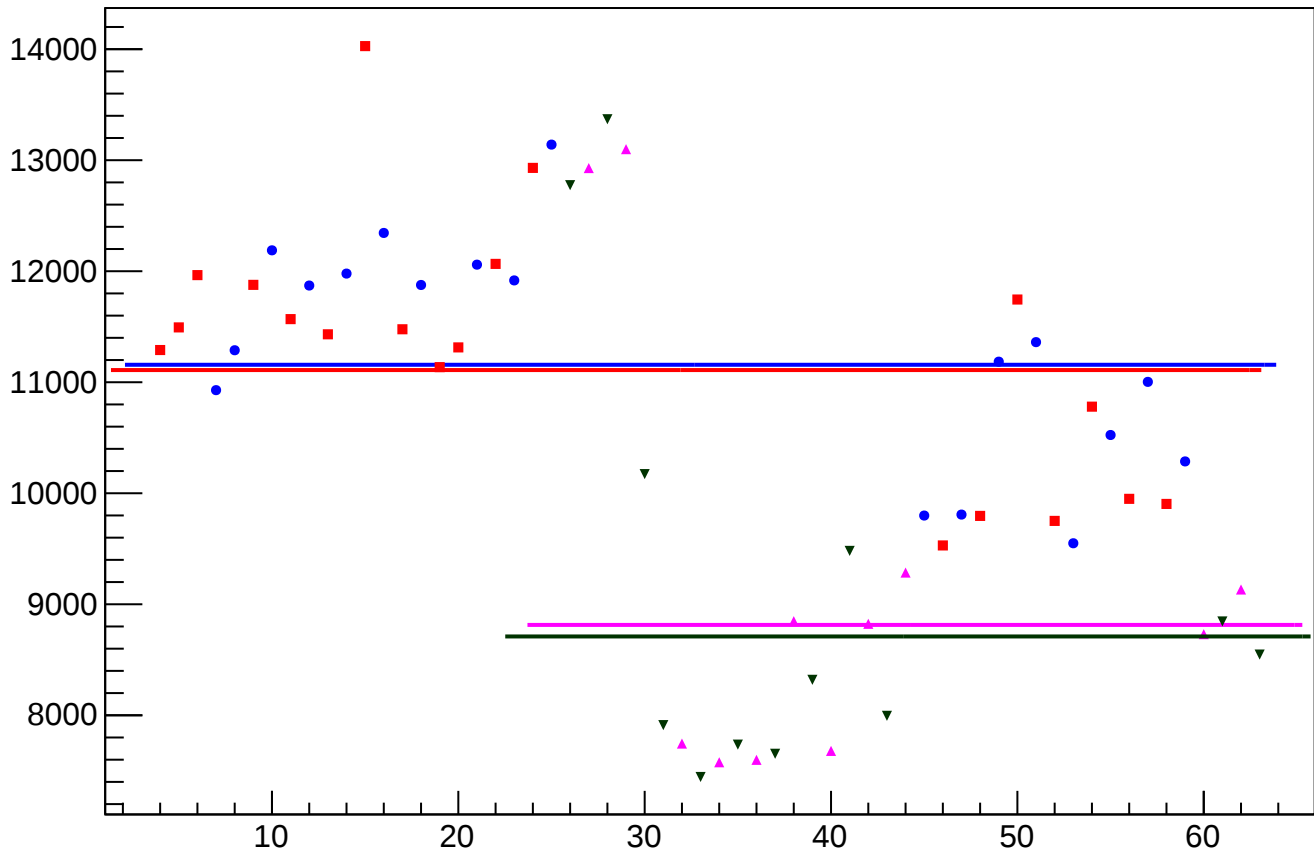
Right Out: -13.392 ± 3.535 $\chi^2/\text{NDF}: 28.4/18$

Left In: 12.557 ± 3.478 $\chi^2/\text{NDF}: 16.9/10$

4.470 ± 2.425 $\chi^2/\text{NDF}: 161.4/29$

-0.208 ± 2.479 $\chi^2/\text{NDF}: 72.7/29$

diff_bpm0l06X_rms vs slug



Right In: 11157.335 ± 2.359 χ^2/NDF : 153724.7/17

Left Out: 8710.075 ± 2.497 χ^2/NDF : 393710.3/11

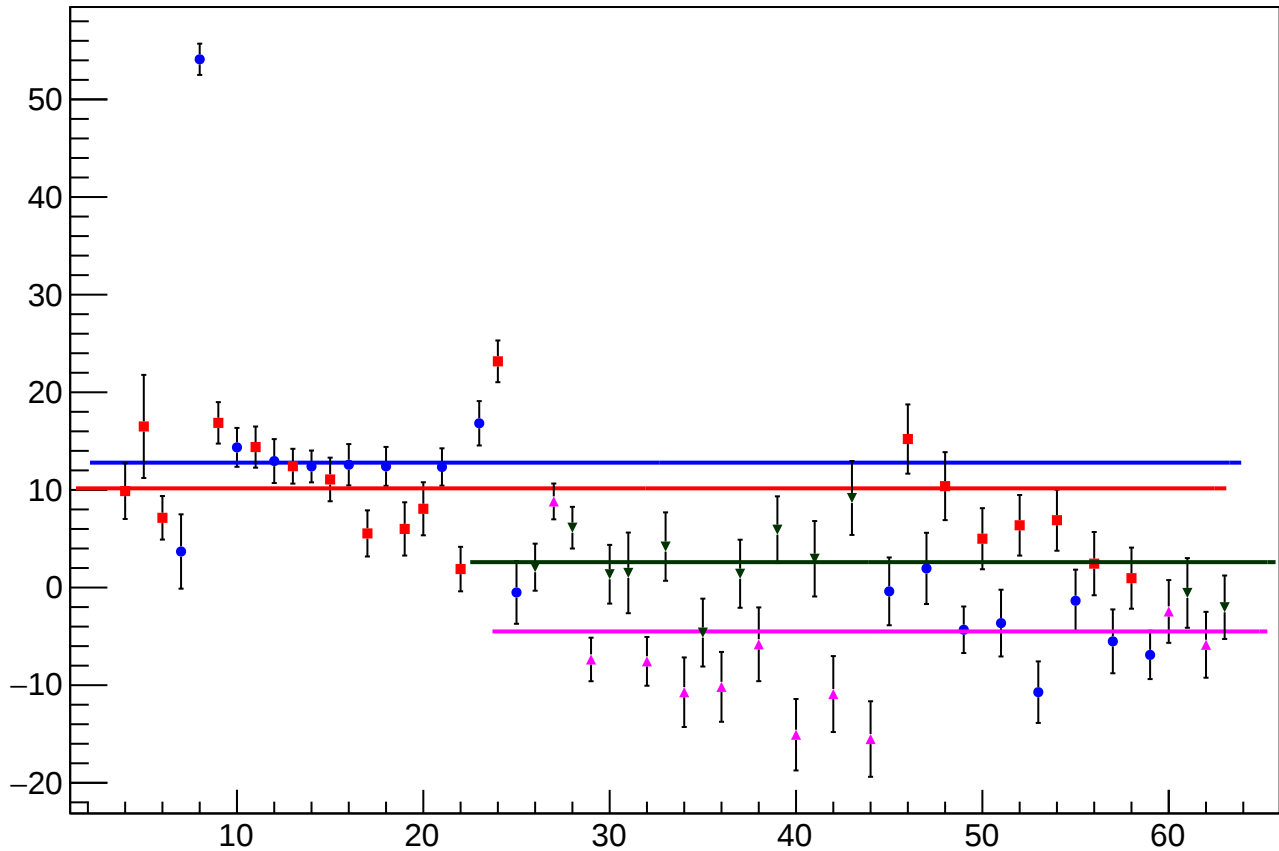
Right Out: 11109.639 ± 2.499 χ^2/NDF : 196396.7/18

Left In: 8814.029 ± 2.459 χ^2/NDF : 465650.7/10

10003.059 ± 1.715 χ^2/NDF : 1054850.2/29

9943.302 ± 1.753 χ^2/NDF : 1090660.0/29

diff_bpm0l06Y_mean vs slug



Right In: 12.794 ± 0.559 $\chi^2/\text{NDF}: 961.0/17$

Left Out: 2.603 ± 0.912 $\chi^2/\text{NDF}: 14.4/11$

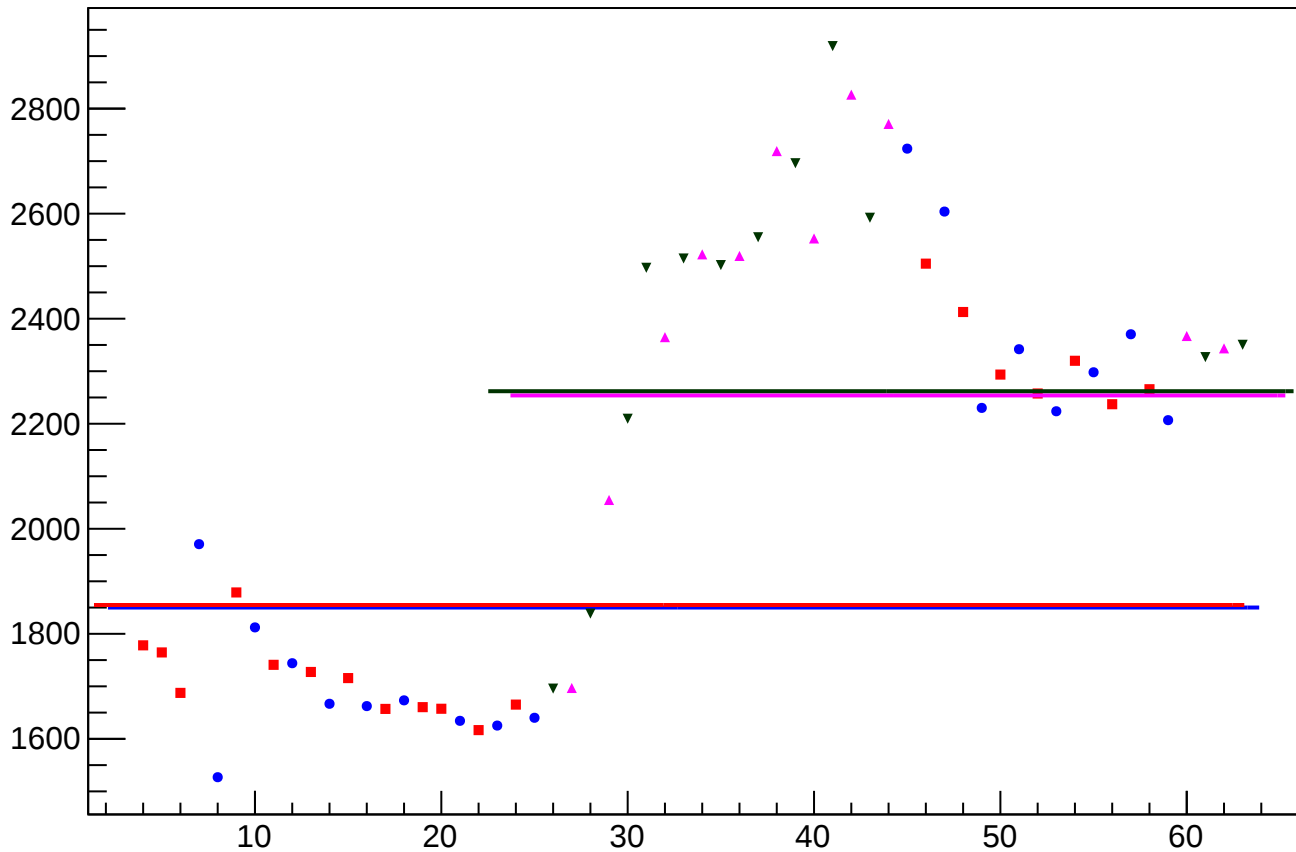
Right Out: 10.162 ± 0.592 $\chi^2/\text{NDF}: 97.7/18$

Left In: -4.497 ± 0.885 $\chi^2/\text{NDF}: 81.4/10$

10.010 ± 0.477 $\chi^2/\text{NDF}: 1066.2/29$

5.624 ± 0.492 $\chi^2/\text{NDF}: 368.6/29$

diff_bpm0l06Y_rms vs slug



Right In: 1850.054+/-0.395 χ^2/NDF : 663006.9/17

Left Out: 2261.938+/-0.645 χ^2/NDF :337754.2/11

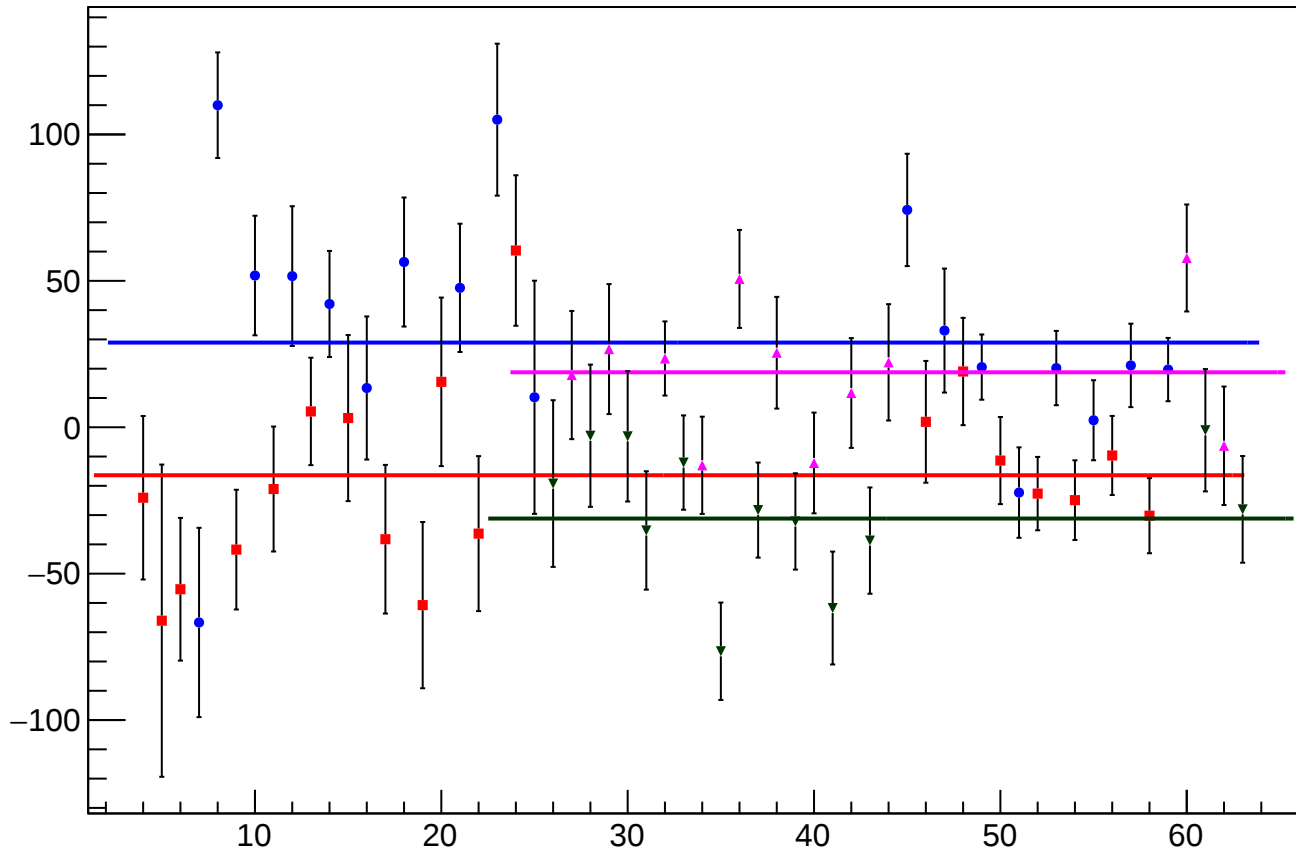
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2253.909+/-0.625 χ^2/NDF :353568.3/10

1962.570+/-0.337 χ^2/NDF : 1297404.1/29

1978.389+/-0.348 χ^2/NDF : 1042520.6/29

diff_bpm0l07X_mean vs slug



Right In: 28.924+/-4.035 χ^2/NDF : 65.6/17

Left Out: -31.176+/-5.473 χ^2/NDF : 16.8/11

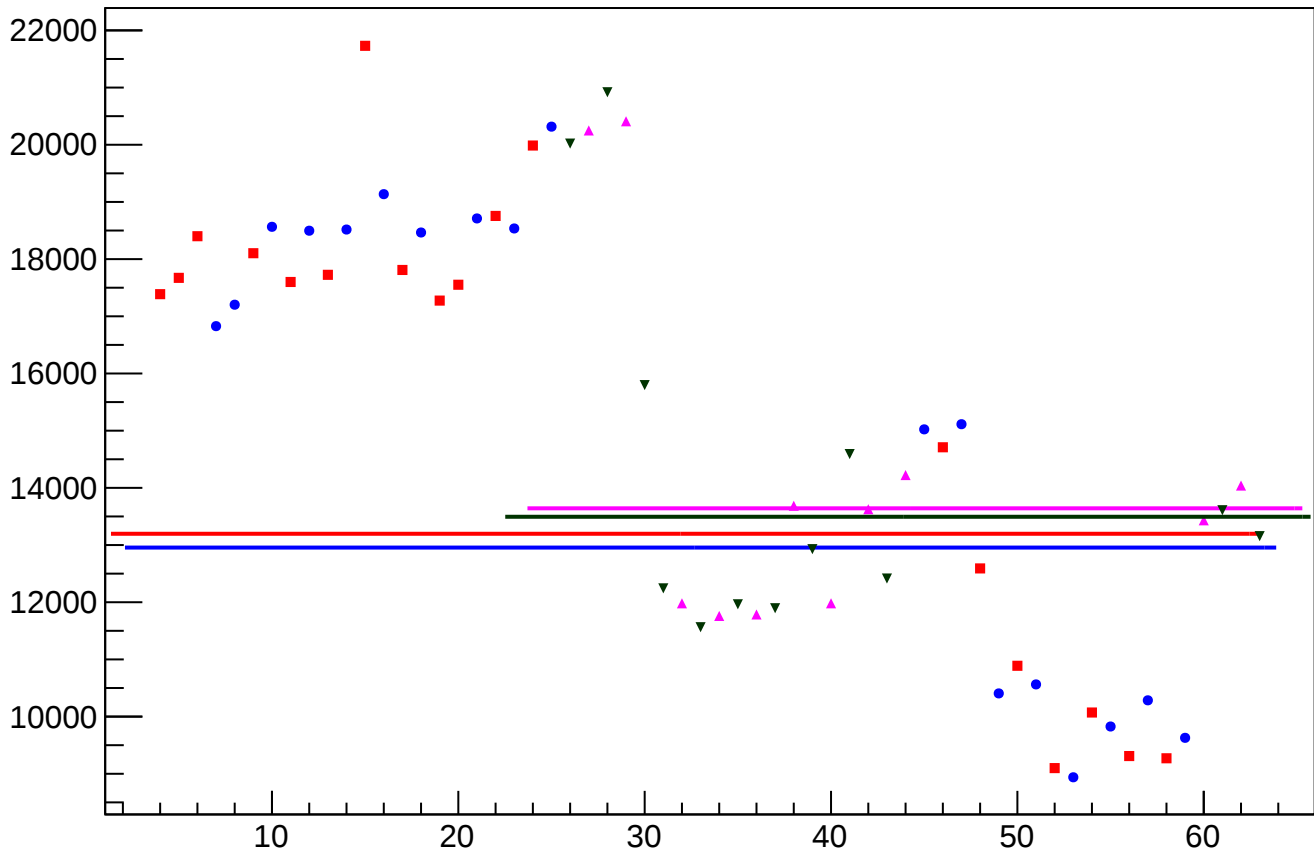
Right Out: -16.388+/-4.377 χ^2/NDF : 27.5/18

Left In: 18.775+/-5.385 χ^2/NDF : 17.2/10

7.760+/-3.248 χ^2/NDF : 160.6/29

-2.398+/-3.396 χ^2/NDF : 70.4/29

diff_bpm0l07X_rms vs slug



Right In: 12955.913 $\pm$ 2.853 χ^2 /NDF: 1900634.7/17

Left Out: 13494.562 $\pm$ 3.870 χ^2 /NDF: 402843.4/11

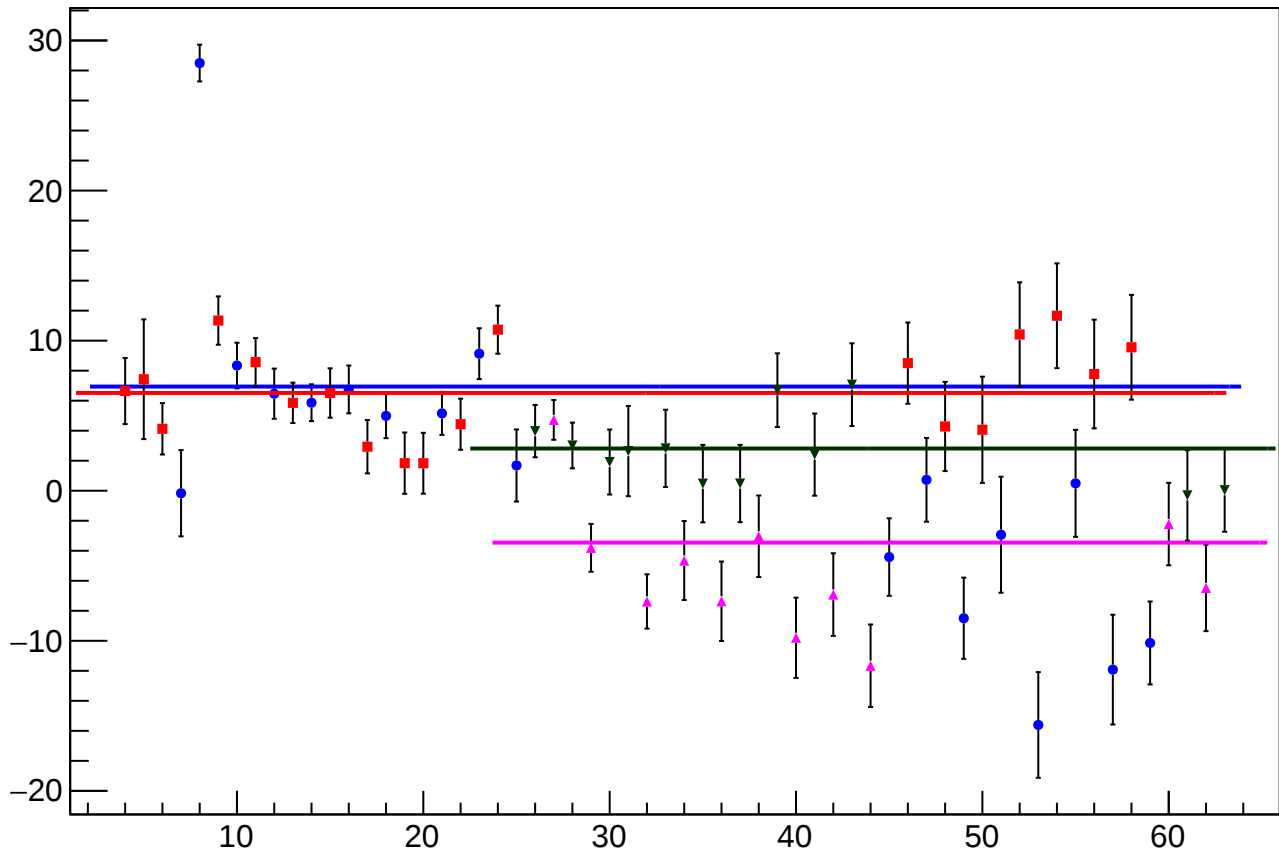
13145.598 $\pm$ 2.297 χ^2 /NDF: 2316028.4/29

Right Out: 13197.185 $\pm$ 3.095 χ^2 /NDF: 1767752.6/18

13374.237 $\pm$ 2.402 χ^2 /NDF: 2250238.1/29

Left In: 13642.198 $\pm$ 3.808 χ^2 /NDF: 474260.2/10

diff_bpm0l07Y_mean vs slug



Right In: 6.939 ± 0.450 χ^2/NDF : 499.6/17

Left Out: 2.813 ± 0.673 χ^2/NDF : 9.3/11

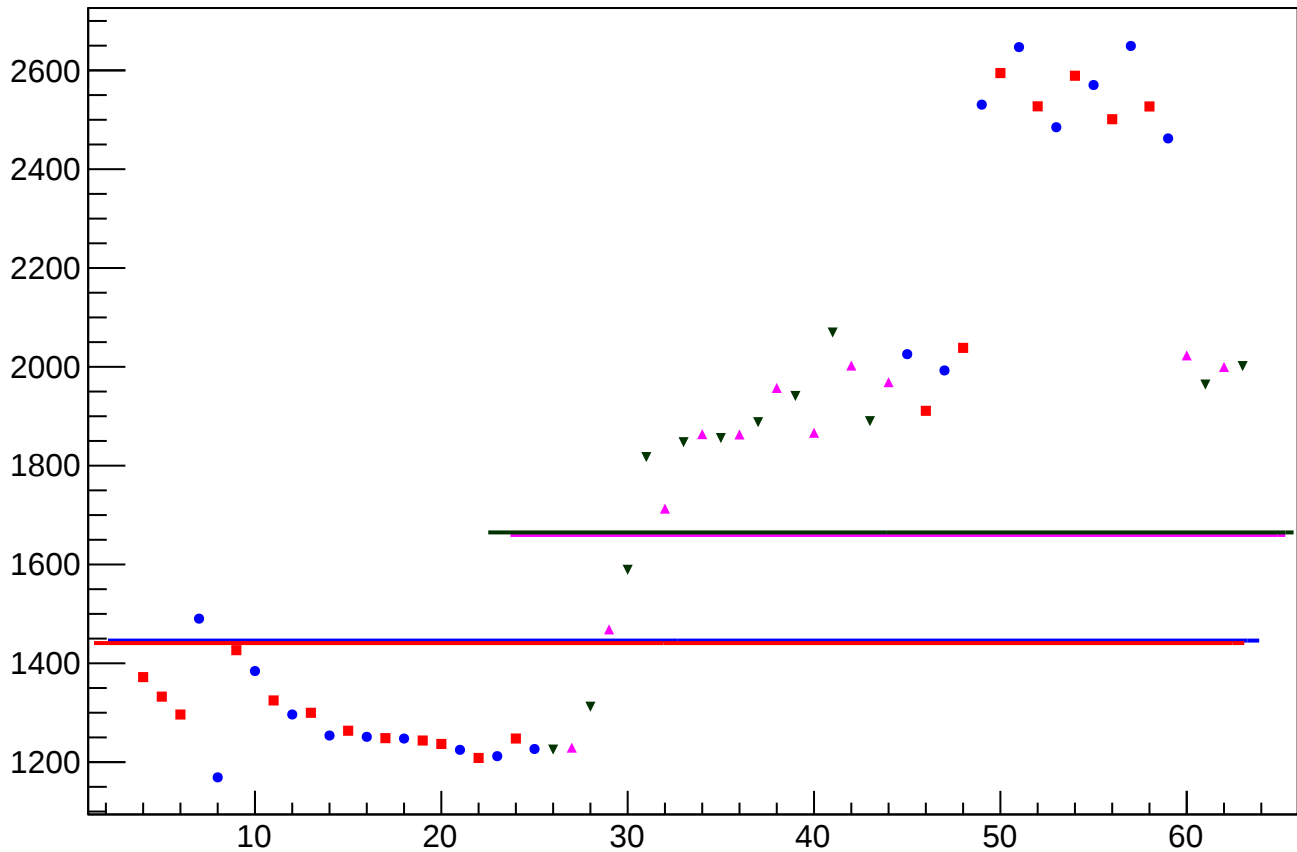
Right Out: 6.517 ± 0.472 χ^2/NDF : 41.8/18

Left In: -3.456 ± 0.653 χ^2/NDF : 62.5/10

5.666 ± 0.374 χ^2/NDF : 534.8/29

3.098 ± 0.382 χ^2/NDF : 257.7/29

diff_bpm0l07Y_rms vs slug



Right In: 1446.011+/-0.318 χ^2/NDF : 1891465.4/17

Left Out: 1664.880+/-0.476 χ^2/NDF : 410000.0/11

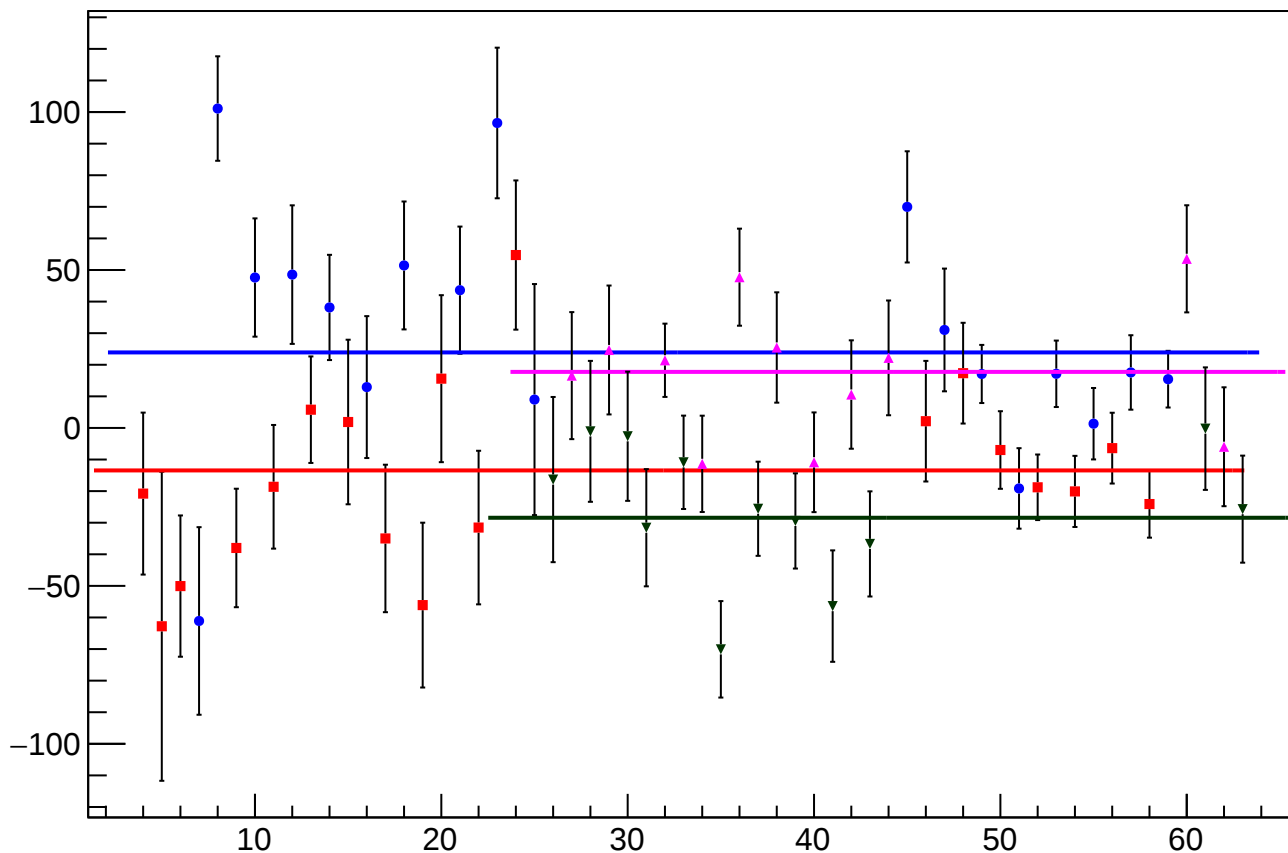
1513.569+/-0.264 χ^2/NDF : 2447755.5/29

Right Out: 1440.962+/-0.333 χ^2/NDF : 1333198.7/18

1515.973+/-0.270 χ^2/NDF : 1900446.2/29

Left In: 1659.756+/-0.462 χ^2/NDF : 419654.8/10

diff_bpm0l08X_mean vs slug



Right In: 23.908 ± 3.470 χ^2/NDF : 70.6/17

Left Out: -28.435 ± 5.031 χ^2/NDF : 17.1/11

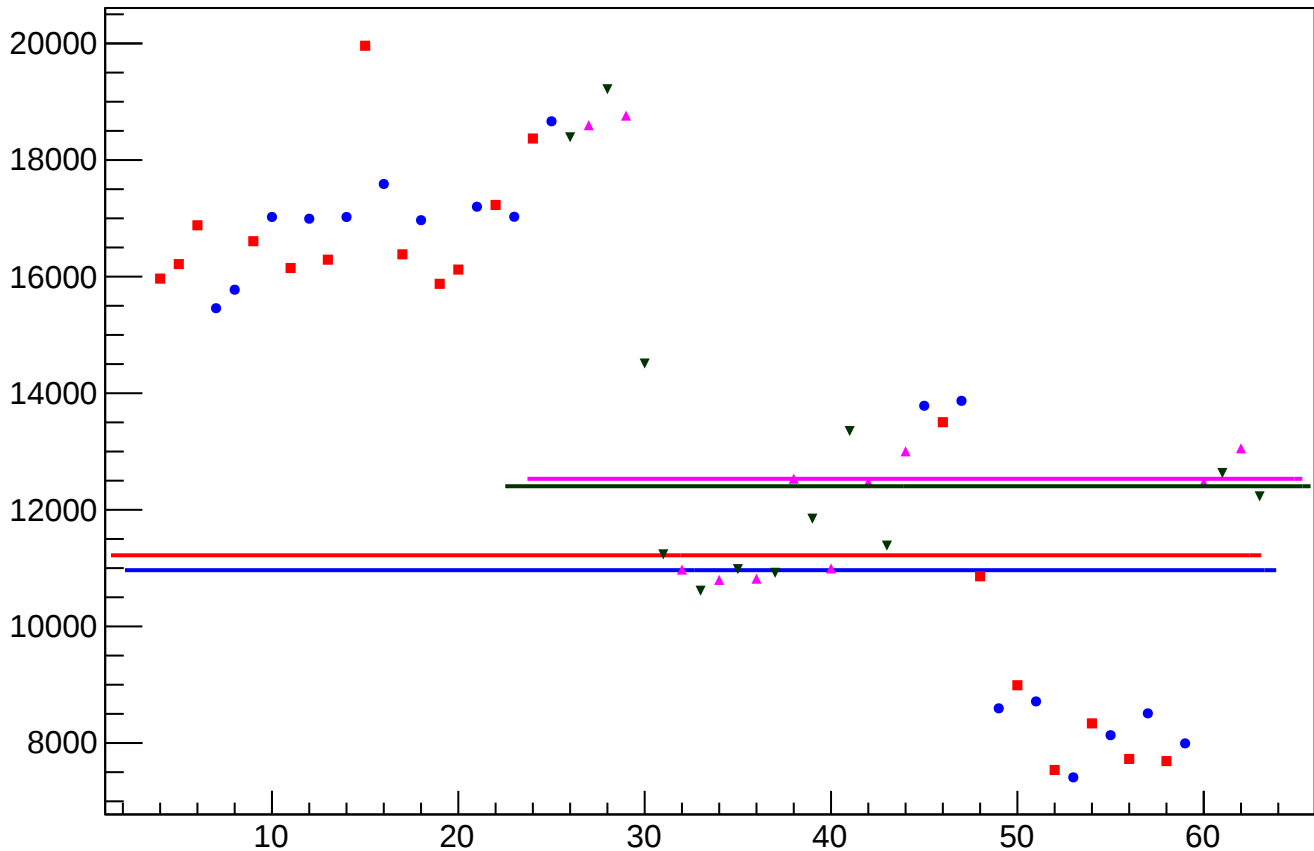
Right Out: -13.450 ± 3.783 χ^2/NDF : 27.5/18

Left In: 17.746 ± 4.947 χ^2/NDF : 17.4/10

7.035 ± 2.856 χ^2/NDF : 161.1/29

-1.938 ± 3.005 χ^2/NDF : 70.0/29

diff_bpm0l08X_rms vs slug



Right In: 10964.744+/-2.454 χ^2/NDF : 2550839.7/17

Left Out: 12404.619+/-3.558 χ^2/NDF :403354.9/11

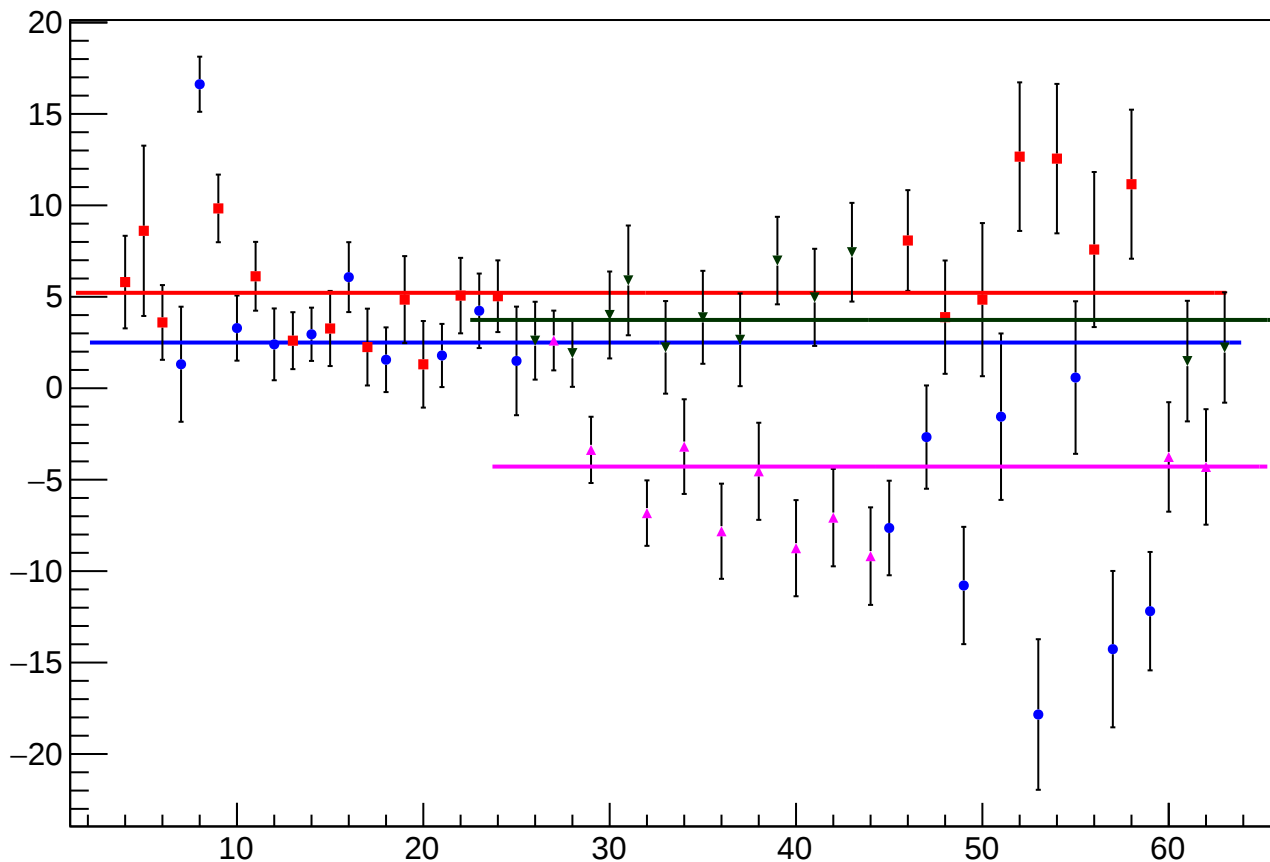
11428.889+/-2.020 χ^2/NDF : 3065204.8/29

Right Out: 11219.959+/-2.675 χ^2/NDF : 2343952.2/18

11704.106+/-2.125 χ^2/NDF : 2909886.5/29

Left In: 12531.879+/-3.498 χ^2/NDF :477178.7/10

diff_bpm0l08Y_mean vs slug



Right In: 2.499 ± 0.530 χ^2/NDF : 190.3/17

Left Out: 3.735 ± 0.721 χ^2/NDF : 7.0/11

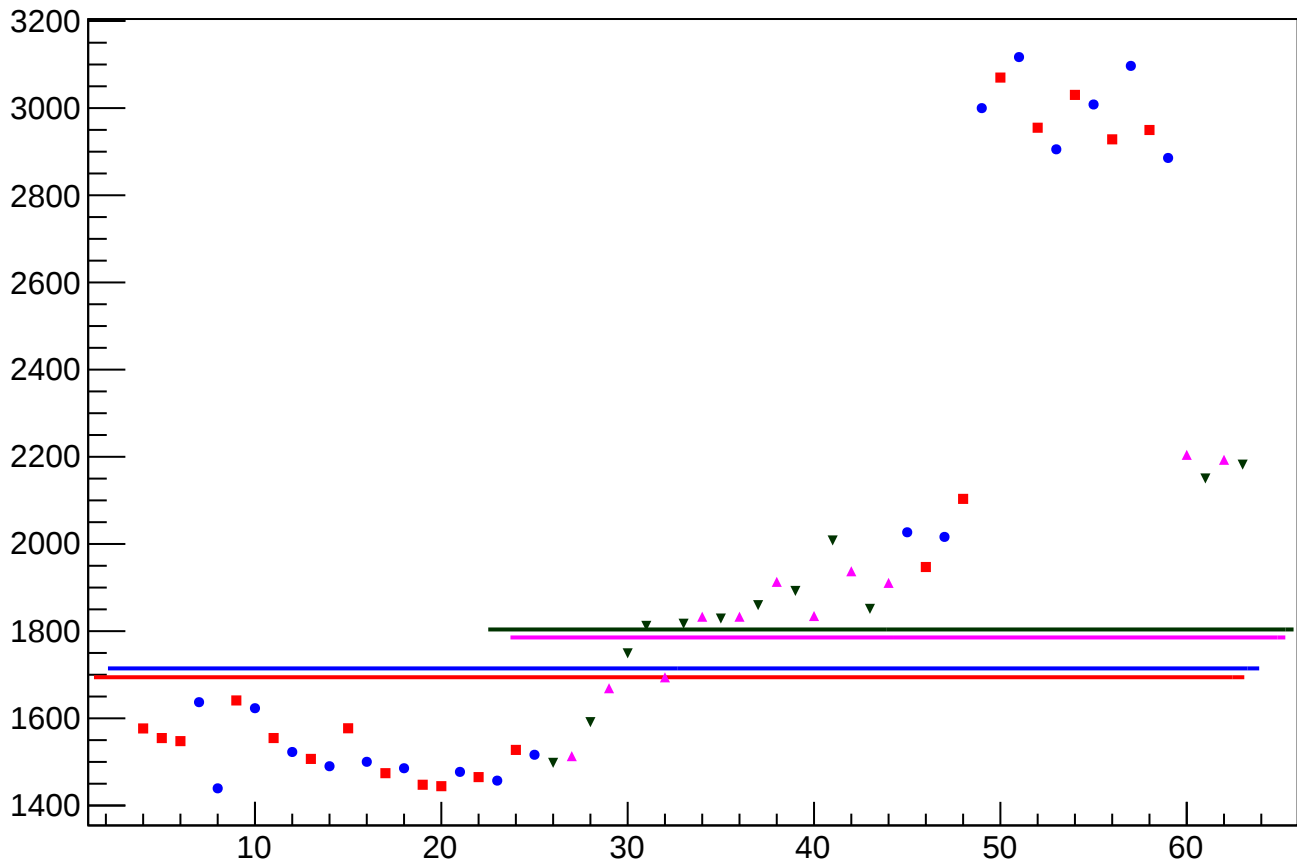
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -4.283 ± 0.695 χ^2/NDF : 29.5/10

2.933 ± 0.427 χ^2/NDF : 199.2/29

1.539 ± 0.433 χ^2/NDF : 170.4/29

diff_bpm0l08Y_rms vs slug



Right In: 1714.550+/-0.375 χ^2/NDF : 1670759.3/17

Left Out: 1803.872+/-0.510 χ^2/NDF :138910.6/11

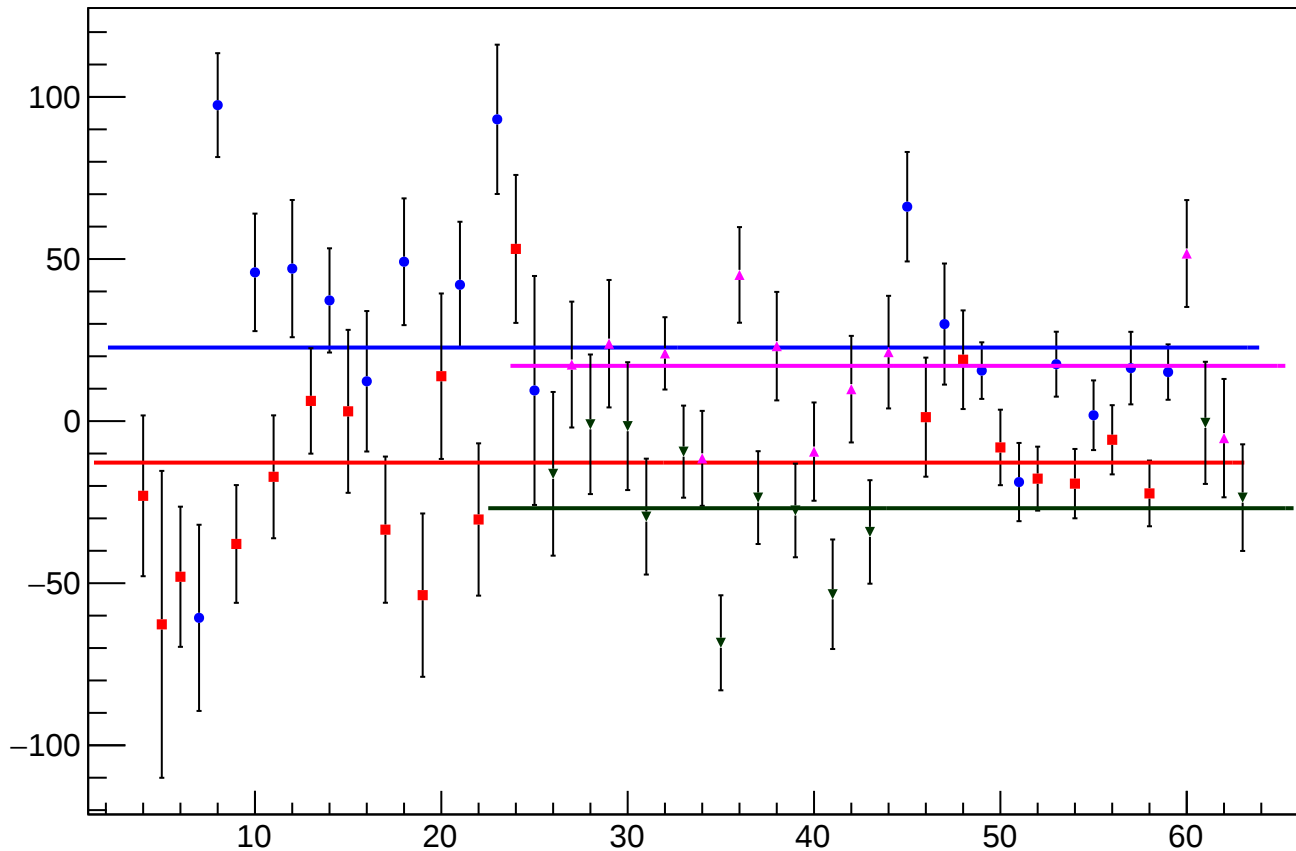
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1785.544+/-0.492 χ^2/NDF :159115.2/10

1745.915+/-0.302 χ^2/NDF : 1829602.3/29

1729.613+/-0.306 χ^2/NDF : 1383000.1/29

diff_bpm0l09X_mean vs slug



Right In: 22.698 ± 3.315 χ^2/NDF : 70.9/17

Left Out: -26.867 ± 4.842 χ^2/NDF : 17.5/11

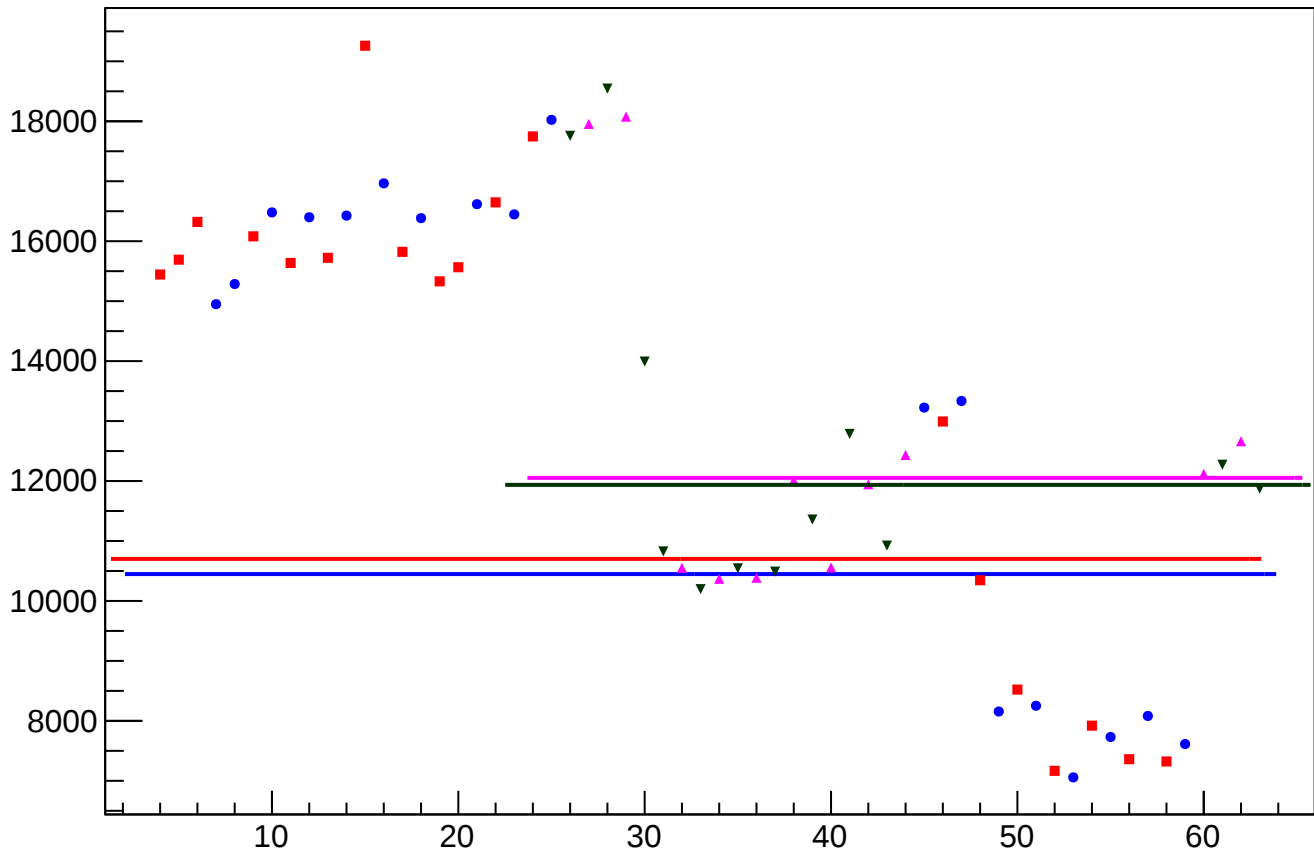
Right Out: -12.799 ± 3.618 χ^2/NDF : 28.2/18

Left In: 17.051 ± 4.759 χ^2/NDF : 17.0/10

6.881 ± 2.735 χ^2/NDF : 159.8/29

-1.864 ± 2.880 χ^2/NDF : 70.1/29

diff_bpm0l09X_rms vs slug



Right In: 10448.159+/-2.344 χ^2/NDF : 2654654.8/17

Left Out: 11935.988+/-3.424 χ^2/NDF : 409659.3/11

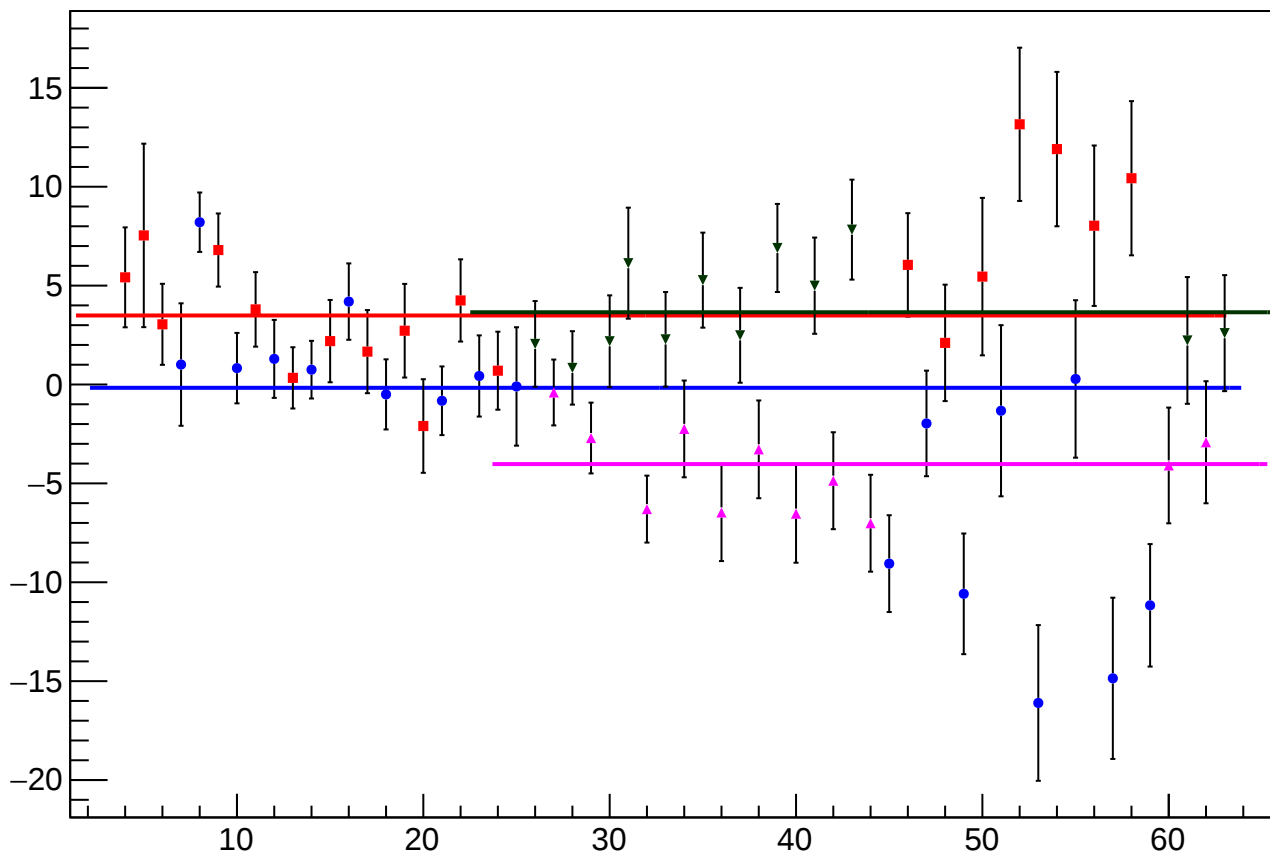
10922.944+/-1.934 χ^2/NDF : 3192885.0/29

Right Out: 10701.460+/-2.558 χ^2/NDF : 2438498.5/18

11196.468+/-2.037 χ^2/NDF : 3024320.1/29

Left In: 12052.736+/-3.365 χ^2/NDF : 483635.6/10

diff_bpm0l09Y_mean vs slug



Right In: -0.167 ± 0.526 $\chi^2/\text{NDF}: 105.2/17$

Left Out: 3.653 ± 0.694 $\chi^2/\text{NDF}: 10.5/11$

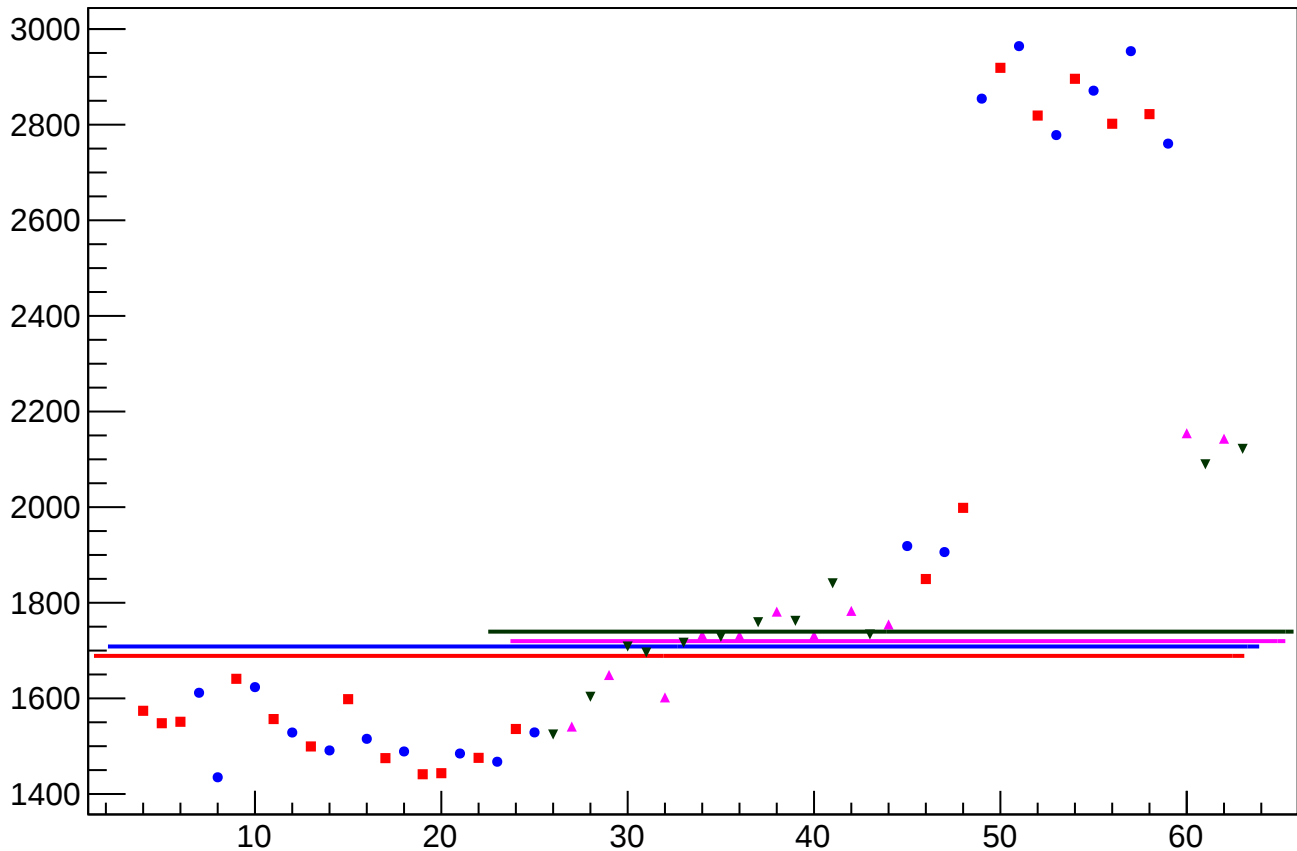
Right Out: 3.490 ± 0.549 $\chi^2/\text{NDF}: 34.4/18$

Left In: -4.024 ± 0.669 $\chi^2/\text{NDF}: 11.5/10$

1.227 ± 0.419 $\chi^2/\text{NDF}: 135.0/29$

0.465 ± 0.424 $\chi^2/\text{NDF}: 121.3/29$

diff_bpm0l09Y_rms vs slug



Right In: 1708.561+/-0.372 χ^2/NDF : 1464594.2/17

Left Out: 1739.619+/-0.490 χ^2/NDF : 93194.5/11

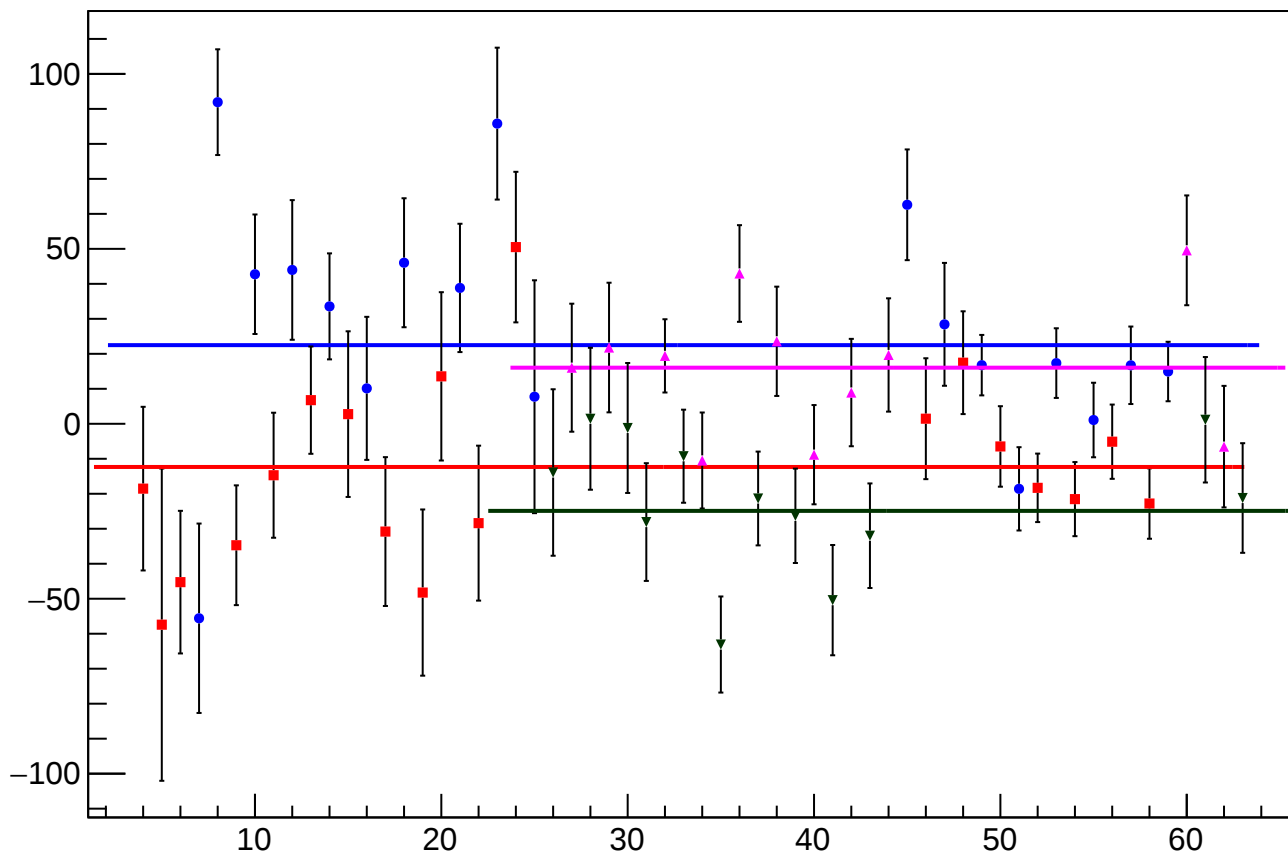
1719.893+/-0.296 χ^2/NDF : 1560335.5/29

Right Out: 1688.902+/-0.388 χ^2/NDF : 1058632.3/18

1701.332+/-0.300 χ^2/NDF : 1182018.5/29

Left In: 1719.779+/-0.473 χ^2/NDF : 120838.8/10

diff_bpm0l10X_mean vs slug



Right In: 22.480 ± 3.228 $\chi^2/\text{NDF}: 68.3/17$

Left Out: -24.891 ± 4.548 $\chi^2/\text{NDF}: 17.8/11$

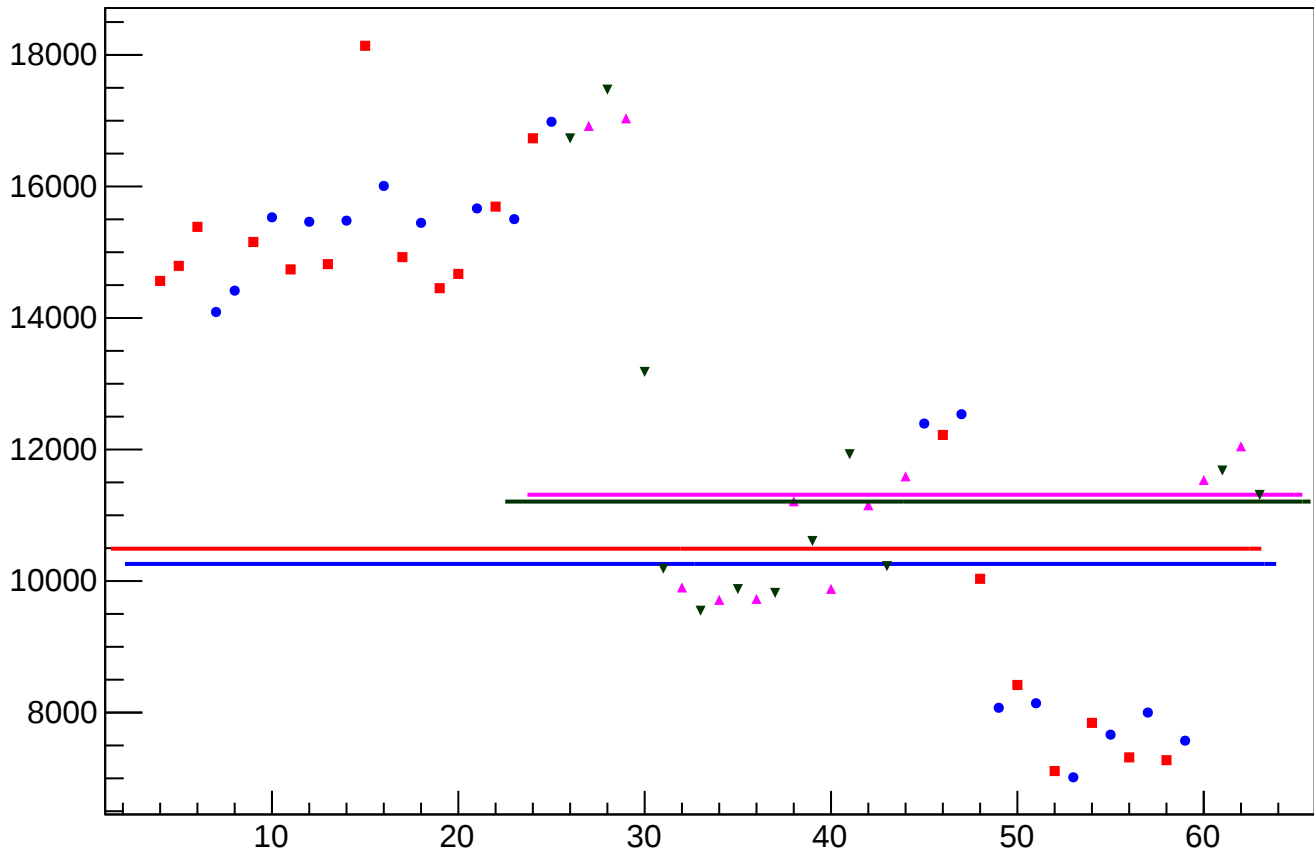
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

Left In: 16.036 ± 4.468 $\chi^2/\text{NDF}: 17.6/10$

6.612 ± 2.632 $\chi^2/\text{NDF}: 158.2/29$

-1.487 ± 2.763 $\chi^2/\text{NDF}: 70.8/29$

diff_bpm0l10X_rms vs slug



Right In: 10260.138+/-2.282 χ^2/NDF : 2319999.2/17

Left Out: 11208.405+/-3.216 χ^2/NDF : 418017.4/11

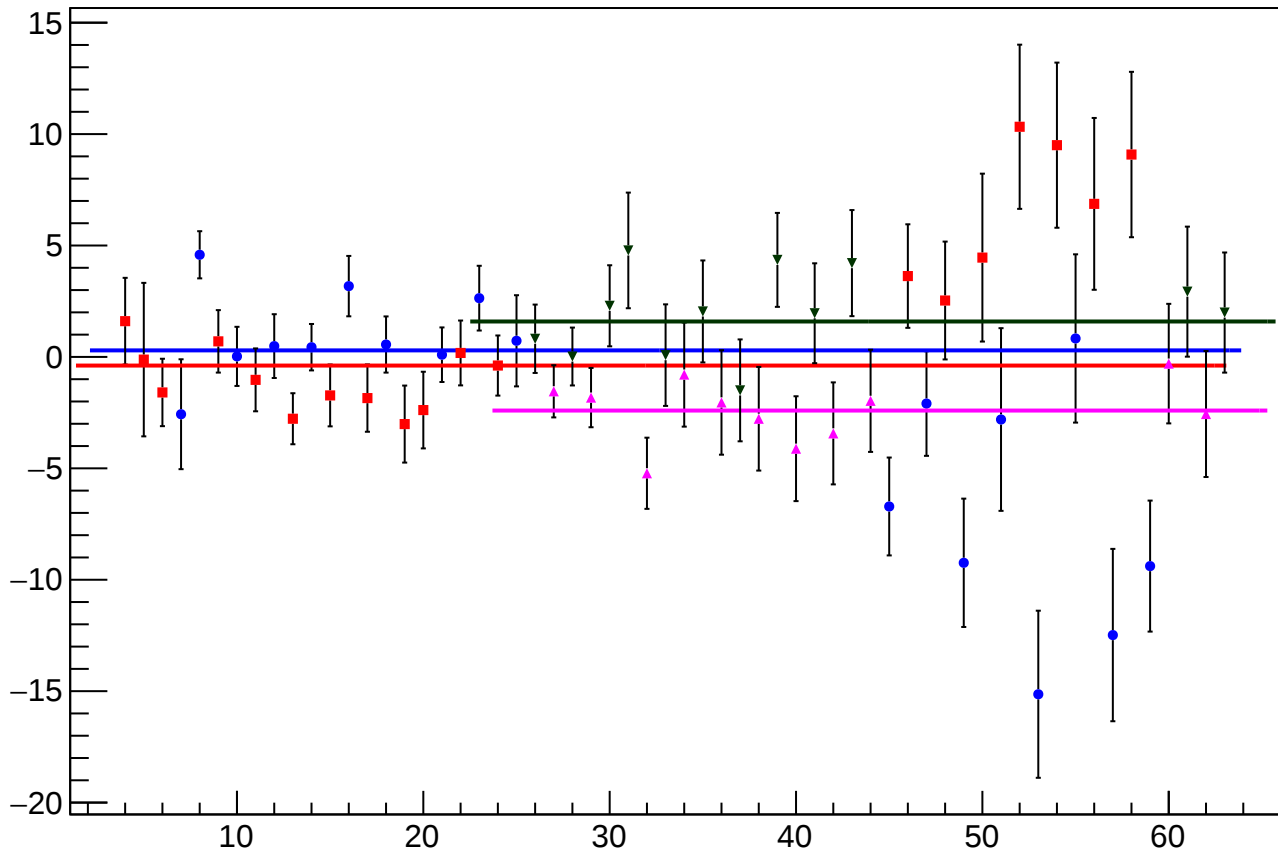
10577.765+/-1.861 χ^2/NDF : 2795830.6/29

Right Out: 10492.088+/-2.487 χ^2/NDF : 2138865.4/18

10805.907+/-1.954 χ^2/NDF : 2674308.1/29

Left In: 11312.591+/-3.159 χ^2/NDF : 493795.9/10

diff_bpm0l10Y_mean vs slug



Right In: 0.293 ± 0.393 $\chi^2/\text{NDF}: 86.6/17$

Left Out: 1.590 ± 0.587 $\chi^2/\text{NDF}: 8.9/11$

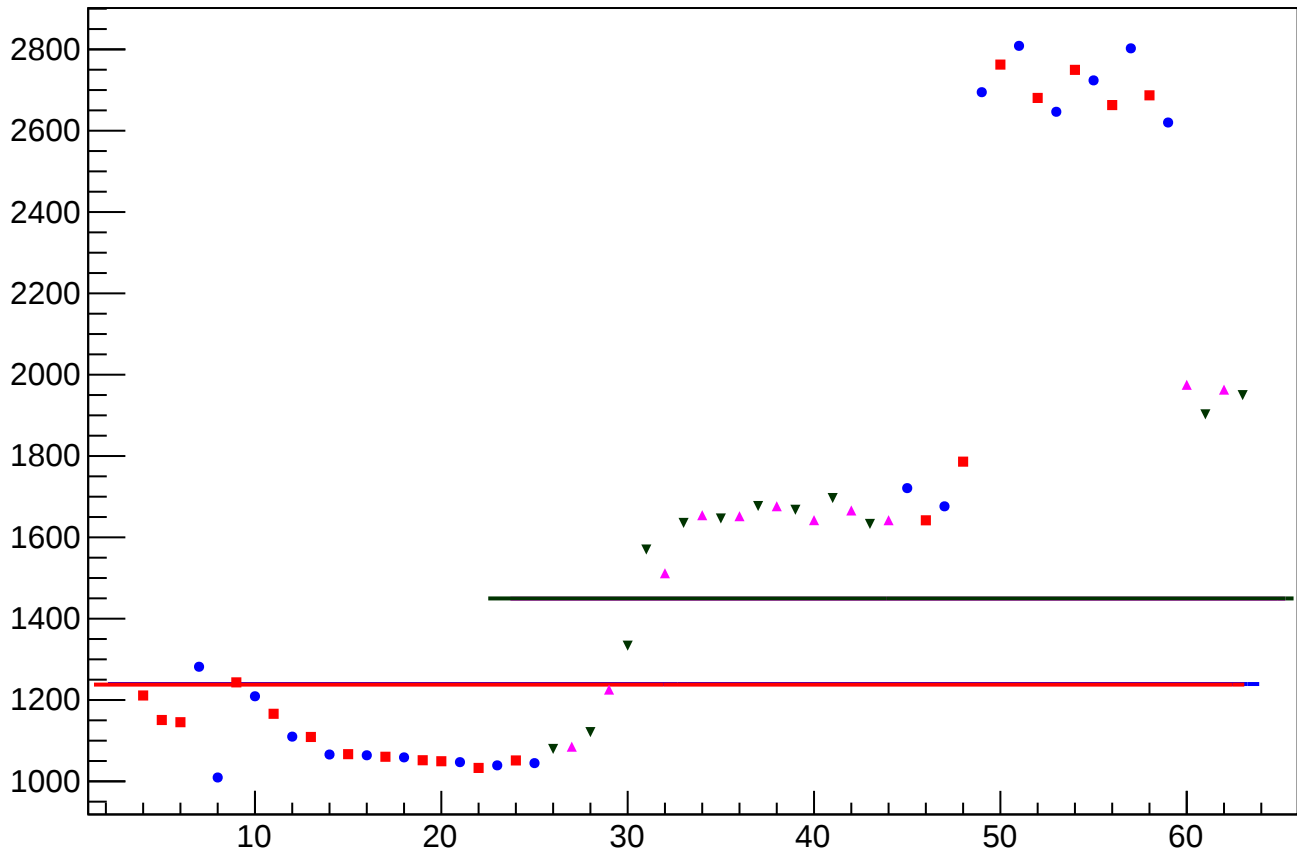
Right Out: -0.388 ± 0.412 $\chi^2/\text{NDF}: 44.0/18$

Left In: -2.407 ± 0.572 $\chi^2/\text{NDF}: 5.8/10$

0.694 ± 0.327 $\chi^2/\text{NDF}: 98.8/29$

-1.078 ± 0.334 $\chi^2/\text{NDF}: 58.0/29$

diff_bpm0l10Y_rms vs slug



Right In: 1239.296+/-0.278 χ^2/NDF : 2675601.4/17

Left Out: 1449.762+/-0.415 χ^2/NDF : 479258.7/11

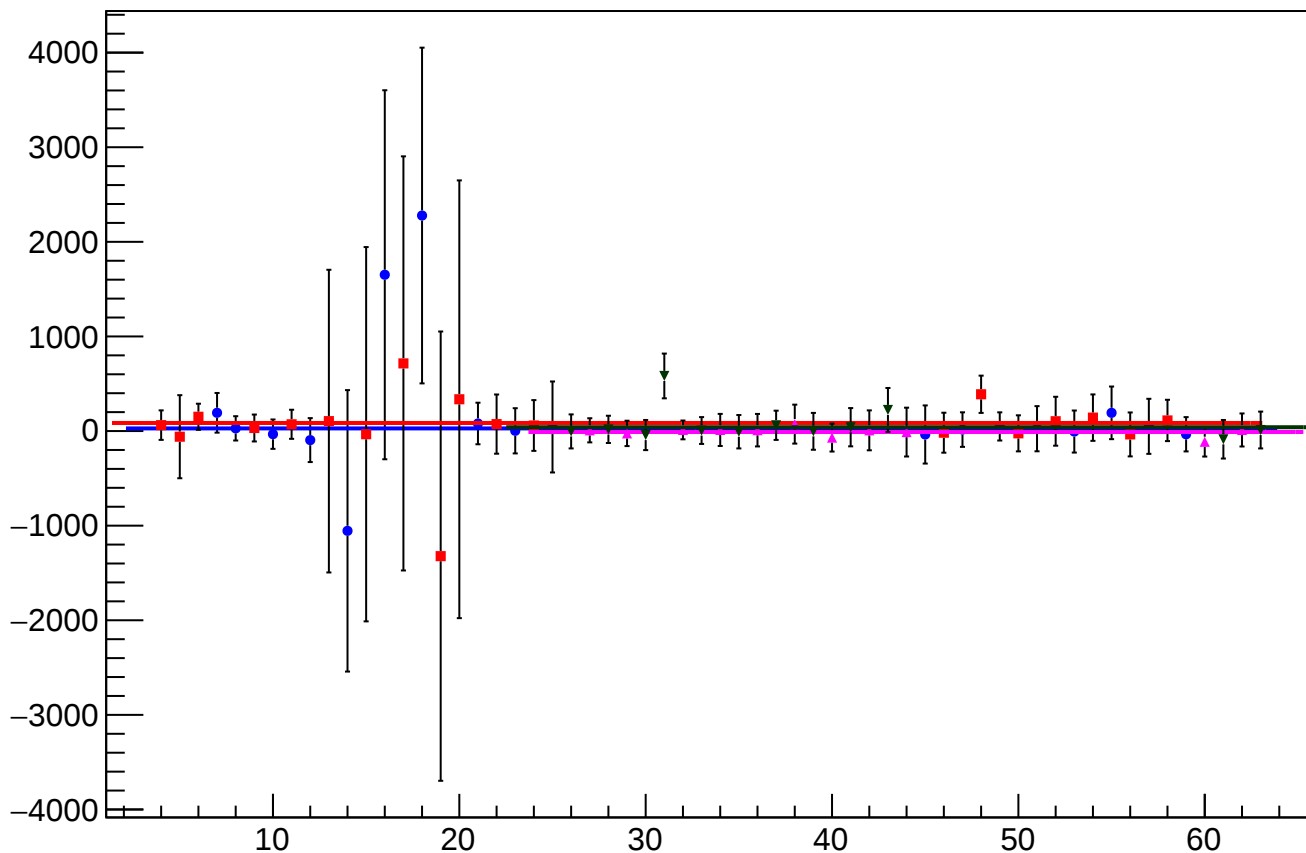
Right Out: 1237.907+/-0.291 χ^2/NDF : 1914347.8/18

Left In: 1449.174+/-0.404 χ^2/NDF : 490758.9/10

1304.339+/-0.231 χ^2/NDF : 3332317.3/29

1310.116+/-0.236 χ^2/NDF : 2584994.8/29

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 27.874+/-52.297 χ^2/NDF : 4.5/17

Left Out: 40.342+/-51.304 χ^2/NDF : 6.8/11

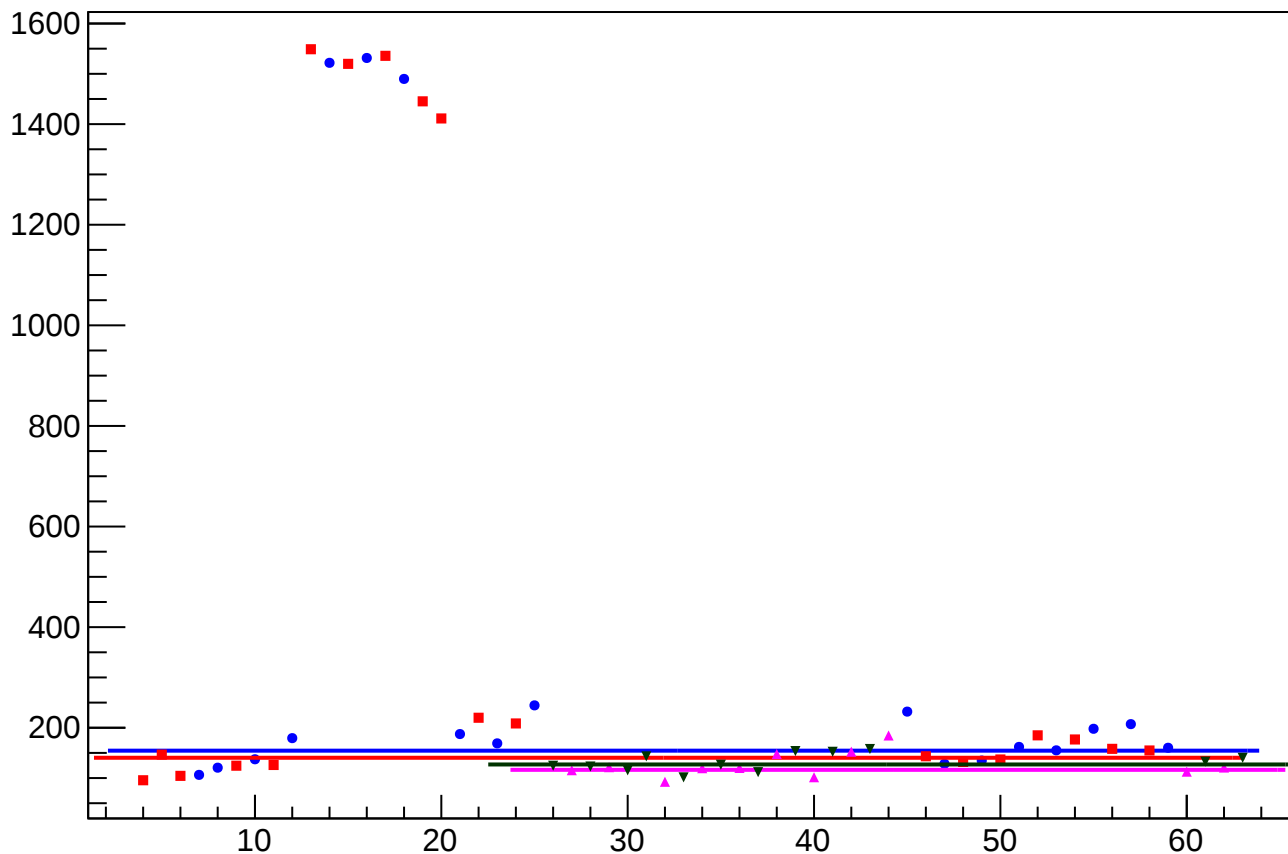
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

Left In: -9.975+/-46.226 χ^2/NDF : 0.9/10

34.228+/-36.623 χ^2/NDF : 11.4/29

31.638+/-34.696 χ^2/NDF : 7.0/29

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 154.452 $\pm$ 0.037 χ^2 /NDF: 4556738.2/17

Left Out: 127.004 $\pm$ 0.036 χ^2 /NDF: 221287.2/11

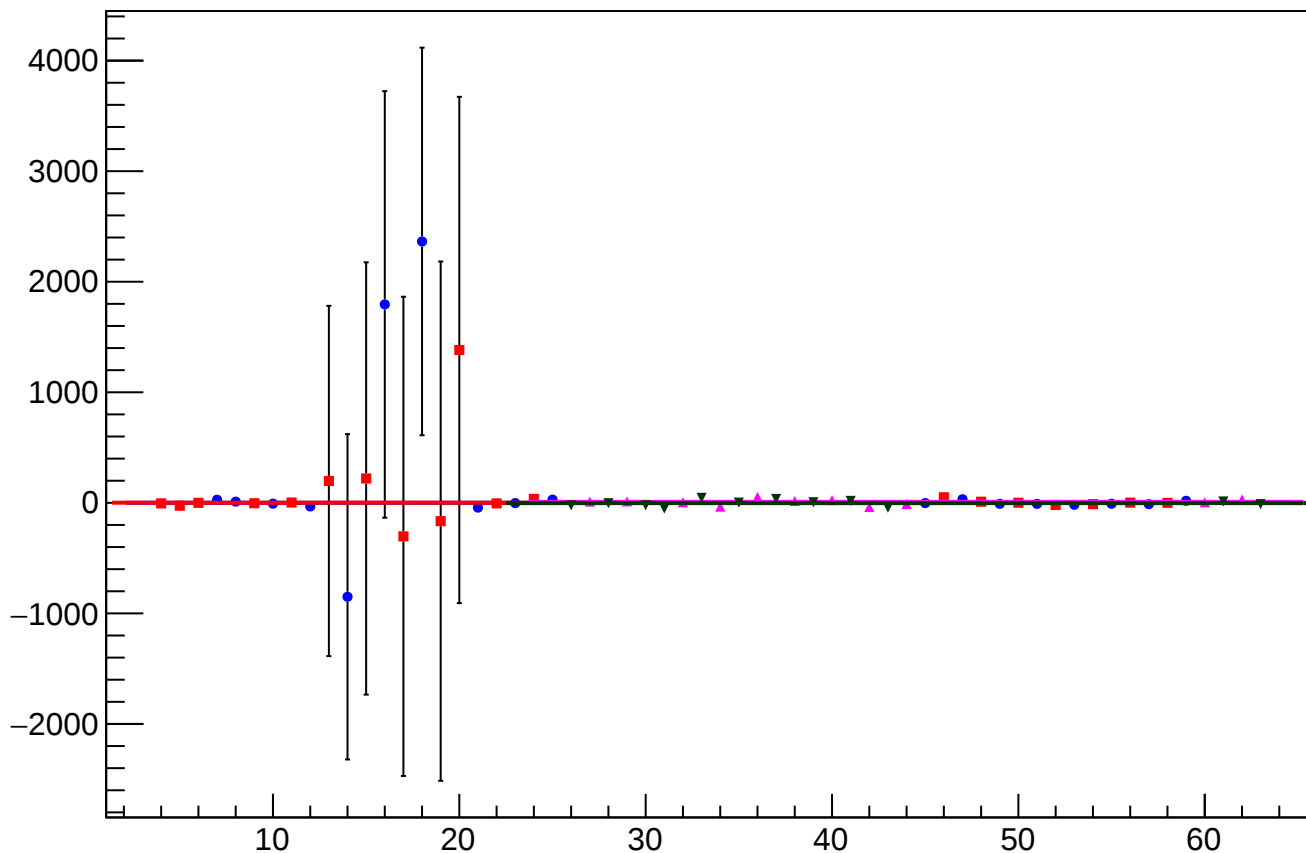
Right Out: 140.345 $\pm$ 0.037 χ^2 /NDF: 5274055.6/18

Left In: 116.323 $\pm$ 0.033 χ^2 /NDF: 386416.1/10

140.465 $\pm$ 0.026 χ^2 /NDF: 5058765.5/29

126.812 $\pm$ 0.025 χ^2 /NDF: 5896321.9/29

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 0.581+/-4.614 χ^2/NDF : 16.6/17

Left Out: -2.647+/-6.728 χ^2/NDF : 15.2/11

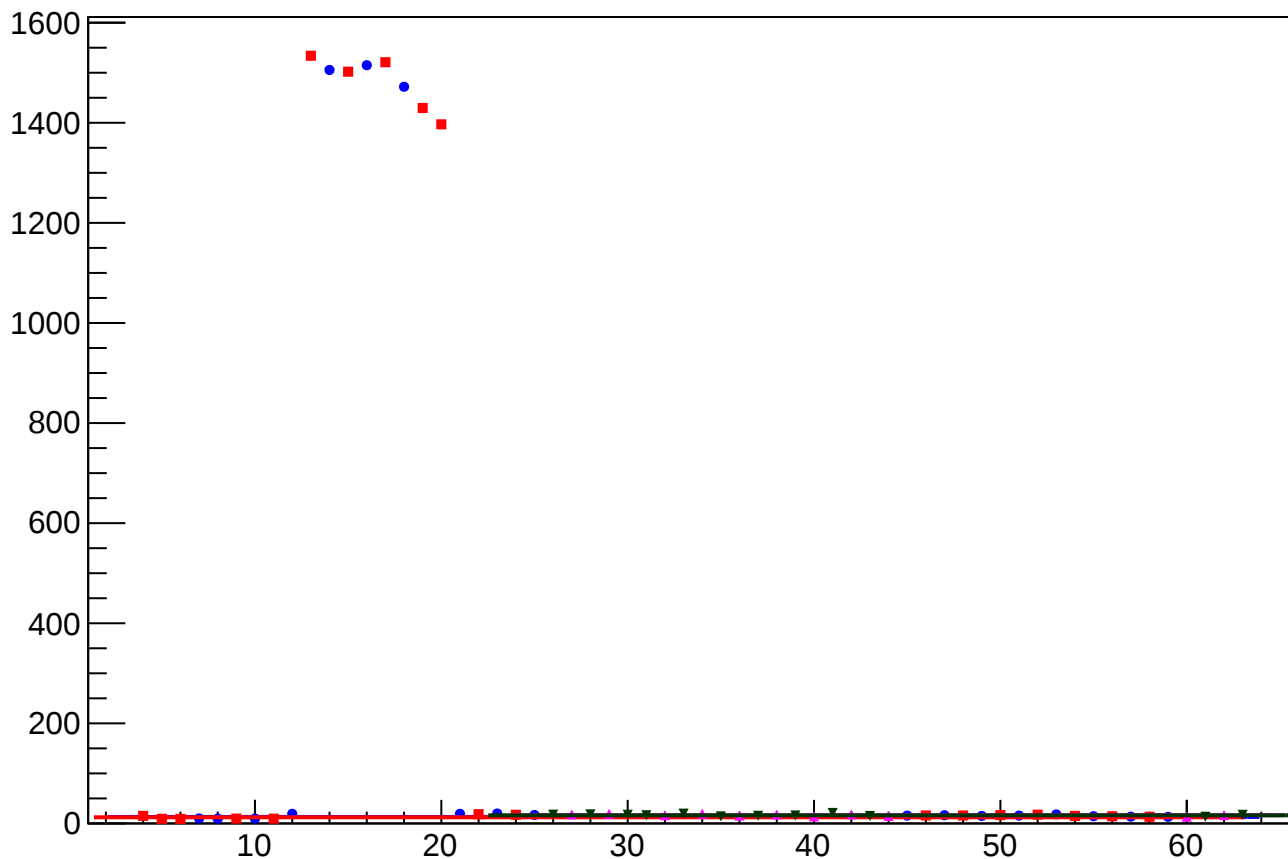
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

Left In: 8.846+/-6.646 χ^2/NDF : 11.4/10

-0.451+/-3.805 χ^2/NDF : 32.0/29

3.933+/-3.885 χ^2/NDF : 21.7/29

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 13.014 $\pm$ 0.003 χ^2 /NDF: 5695749.7/17

Left Out: 16.283 $\pm$ 0.005 χ^2 /NDF:180468.8/11

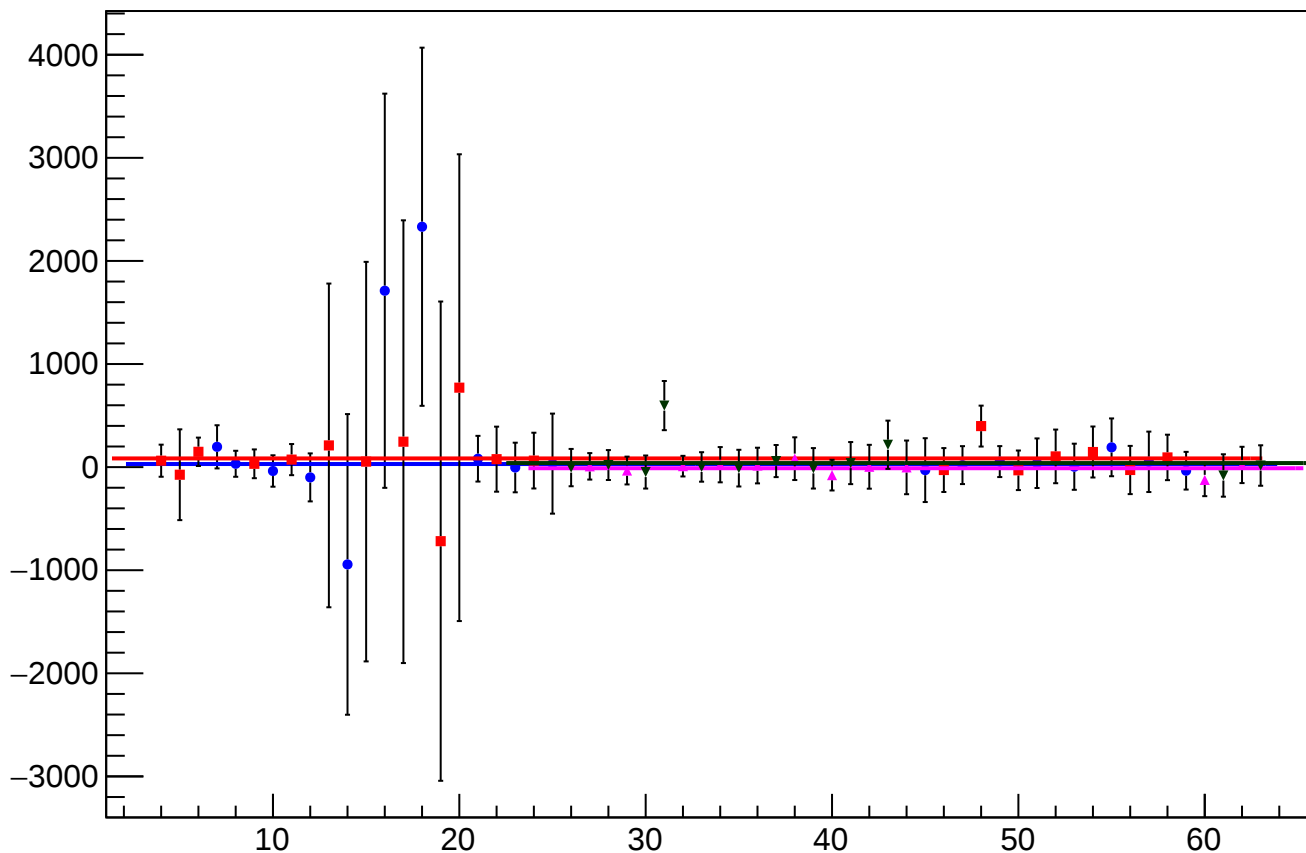
Right Out: 12.312 $\pm$ 0.003 χ^2 /NDF: 6373010.7/18

Left In: 16.463 $\pm$ 0.005 χ^2 /NDF:175752.3/10

14.059 $\pm$ 0.003 χ^2 /NDF: 6197488.3/29

13.731 $\pm$ 0.003 χ^2 /NDF: 7062198.1/29

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 30.011 ± 52.267 χ^2/NDF : 4.7/17

Left Out: 39.418 ± 51.708 χ^2/NDF : 7.0/11

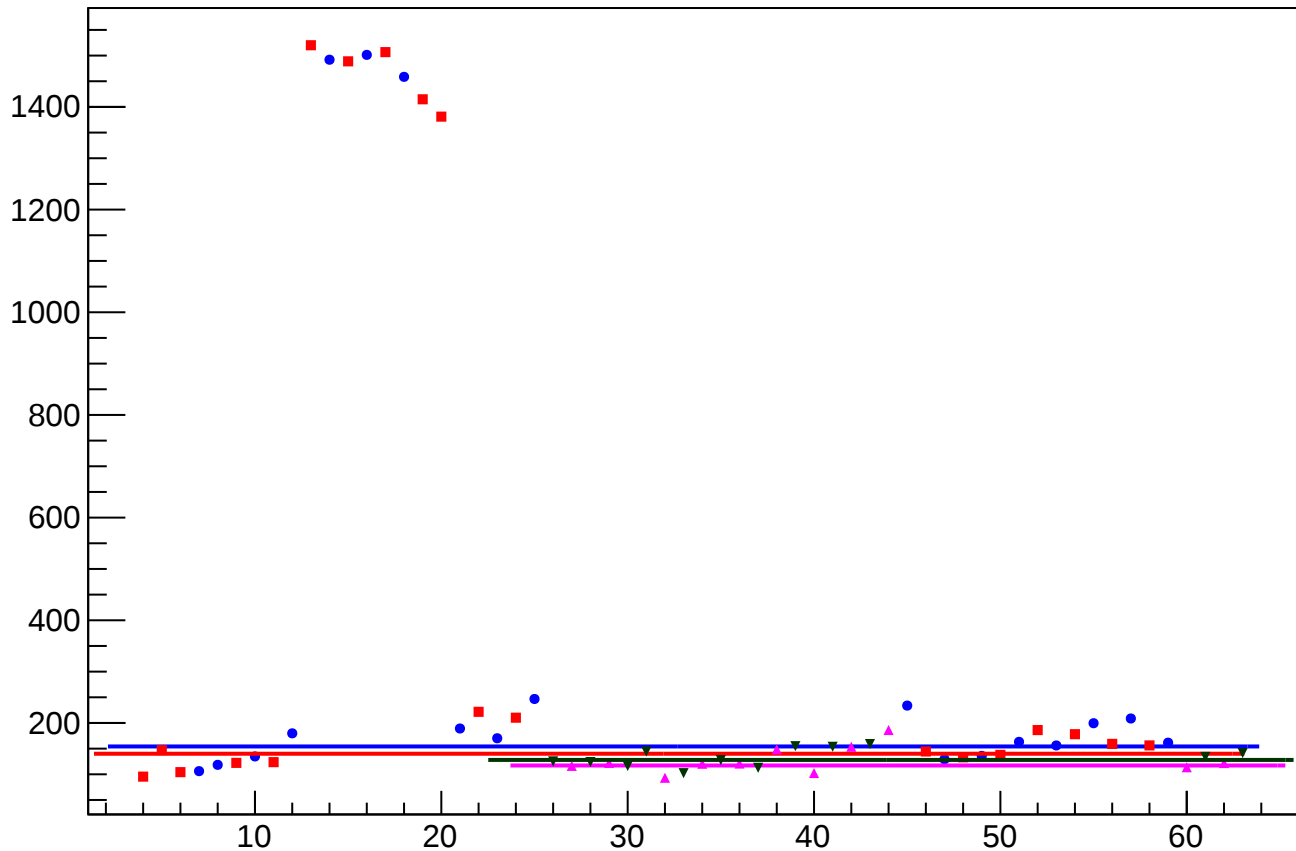
Right Out: 84.316 ± 52.424 χ^2/NDF : 4.2/18

Left In: -10.779 ± 46.571 χ^2/NDF : 1.1/10

34.765 ± 36.759 χ^2/NDF : 11.7/29

31.166 ± 34.817 χ^2/NDF : 7.1/29

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 154.234+/-0.037 χ^2/NDF : 4584859.8/17

Left Out: 128.002+/-0.037 χ^2/NDF : 221635.5/11

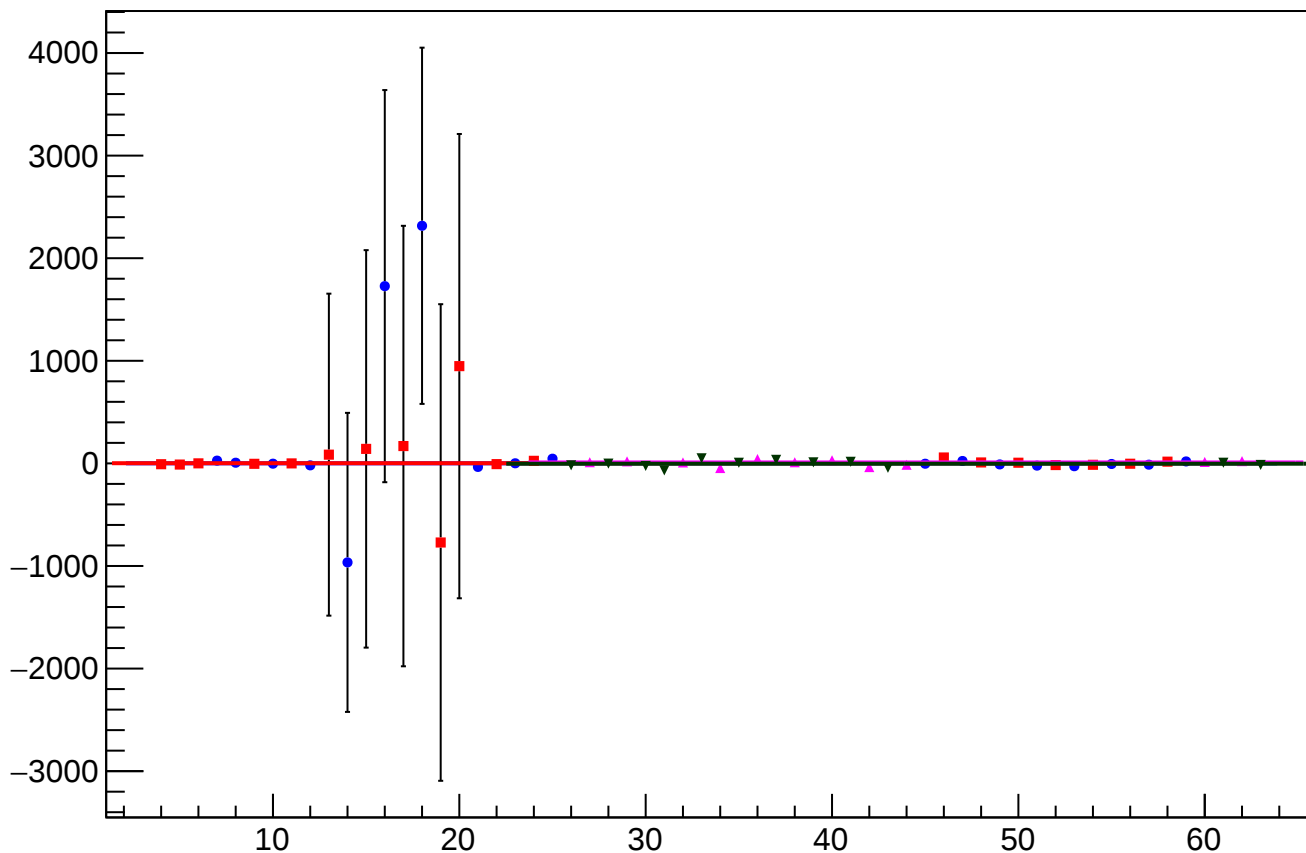
Right Out: 140.050+/-0.037 χ^2/NDF : 5289912.8/18

Left In: 117.182+/-0.033 χ^2/NDF : 387146.1/10

140.977+/-0.026 χ^2/NDF : 5061108.6/29

127.269+/-0.025 χ^2/NDF : 5889770.3/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: 0.652 $\pm$ 4.315 χ^2 /NDF: 16.0/17

Left Out: -3.083 $\pm$ 6.562 χ^2 /NDF:18.6/11

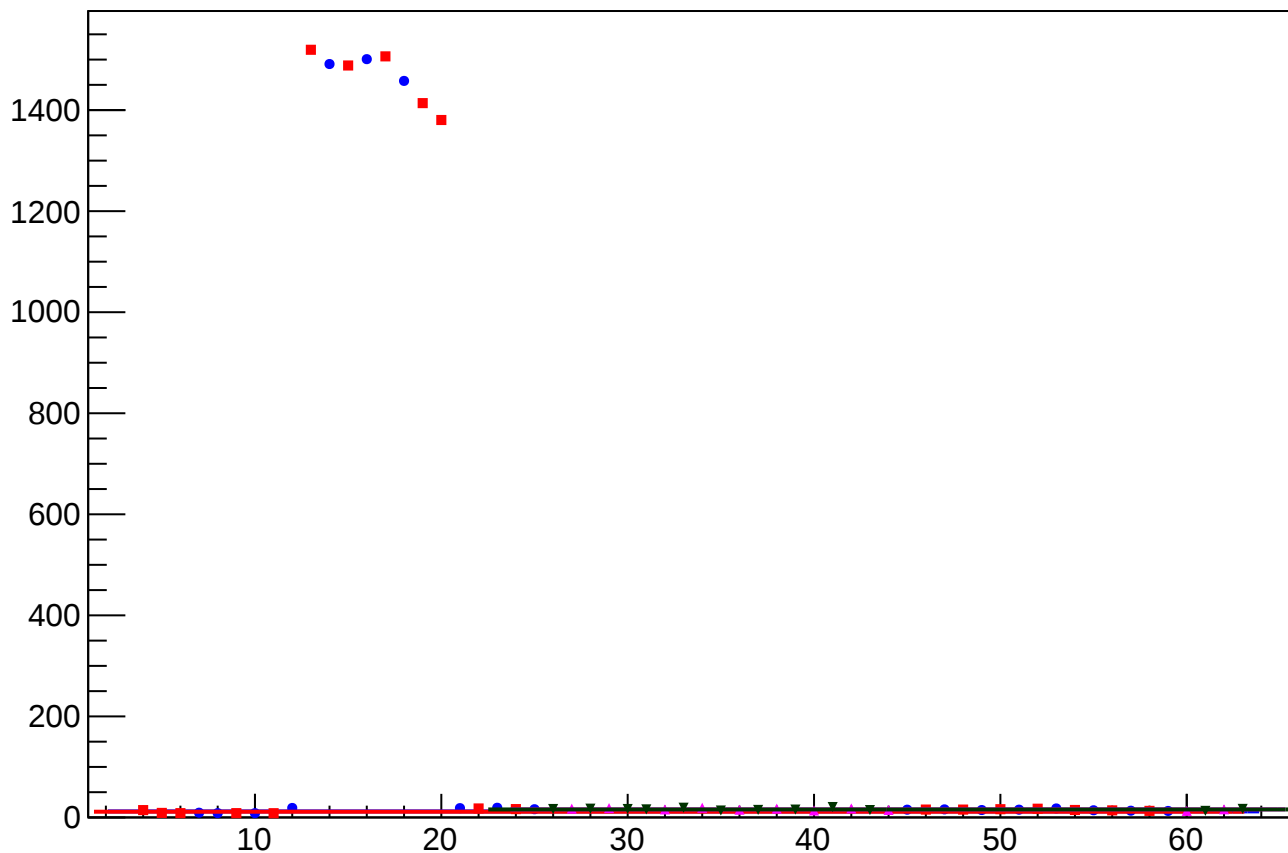
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

Left In: 9.518 $\pm$ 6.482 χ^2 /NDF:11.7/10

-0.476 $\pm$ 3.605 χ^2 /NDF: 34.9/29

4.275 $\pm$ 3.680 χ^2 /NDF: 22.8/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 12.013+/-0.003 χ^2/NDF : 6061463.6/17

Left Out: 15.856+/-0.005 χ^2/NDF :175195.2/11

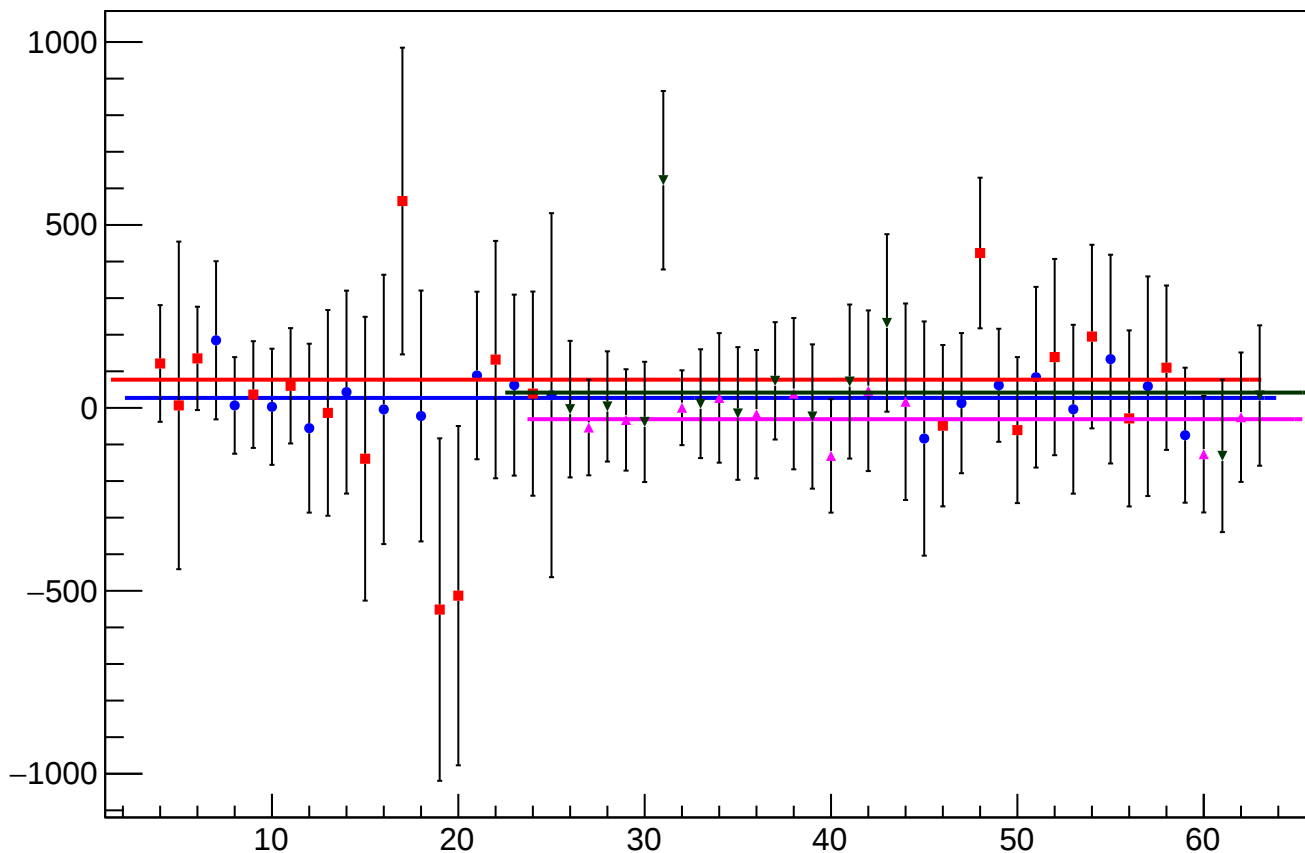
Right Out: 11.361+/-0.003 χ^2/NDF : 6645877.2/18

Left In: 16.030+/-0.005 χ^2/NDF :165912.2/10

13.173+/-0.003 χ^2/NDF : 6715629.0/29

12.865+/-0.003 χ^2/NDF : 7515067.4/29

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 27.225+/-51.816 χ^2/NDF : 1.5/17

Left Out: 41.802+/-52.961 χ^2/NDF : 7.6/11

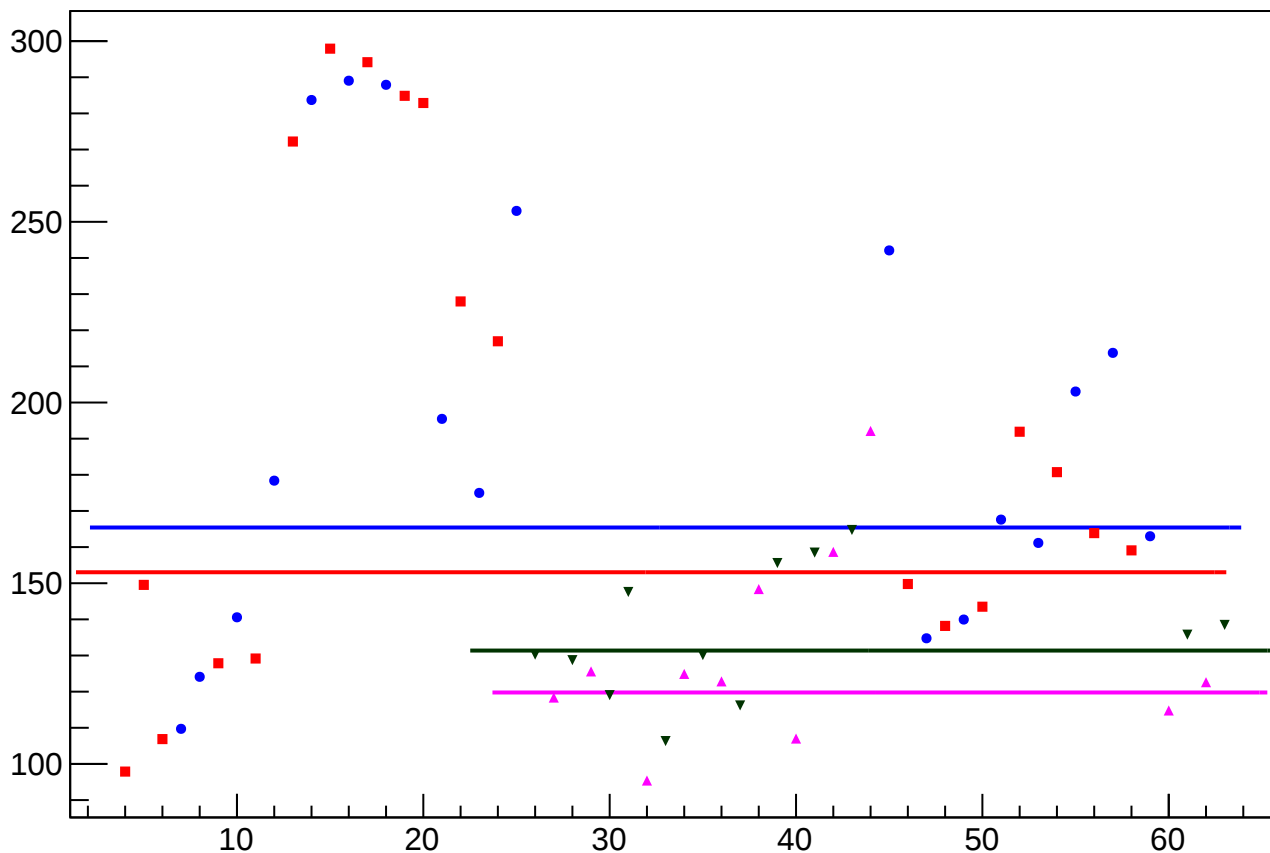
Right Out: 77.113+/-51.687 χ^2/NDF : 9.7/18

Left In: -30.870+/-47.583 χ^2/NDF : 1.3/10

34.354+/-37.038 χ^2/NDF : 9.2/29

18.665+/-35.007 χ^2/NDF : 13.4/29

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 165.419+/-0.037 χ^2/NDF : 1636400.3/17

Left Out: 131.371+/-0.037 χ^2/NDF : 200319.4/11

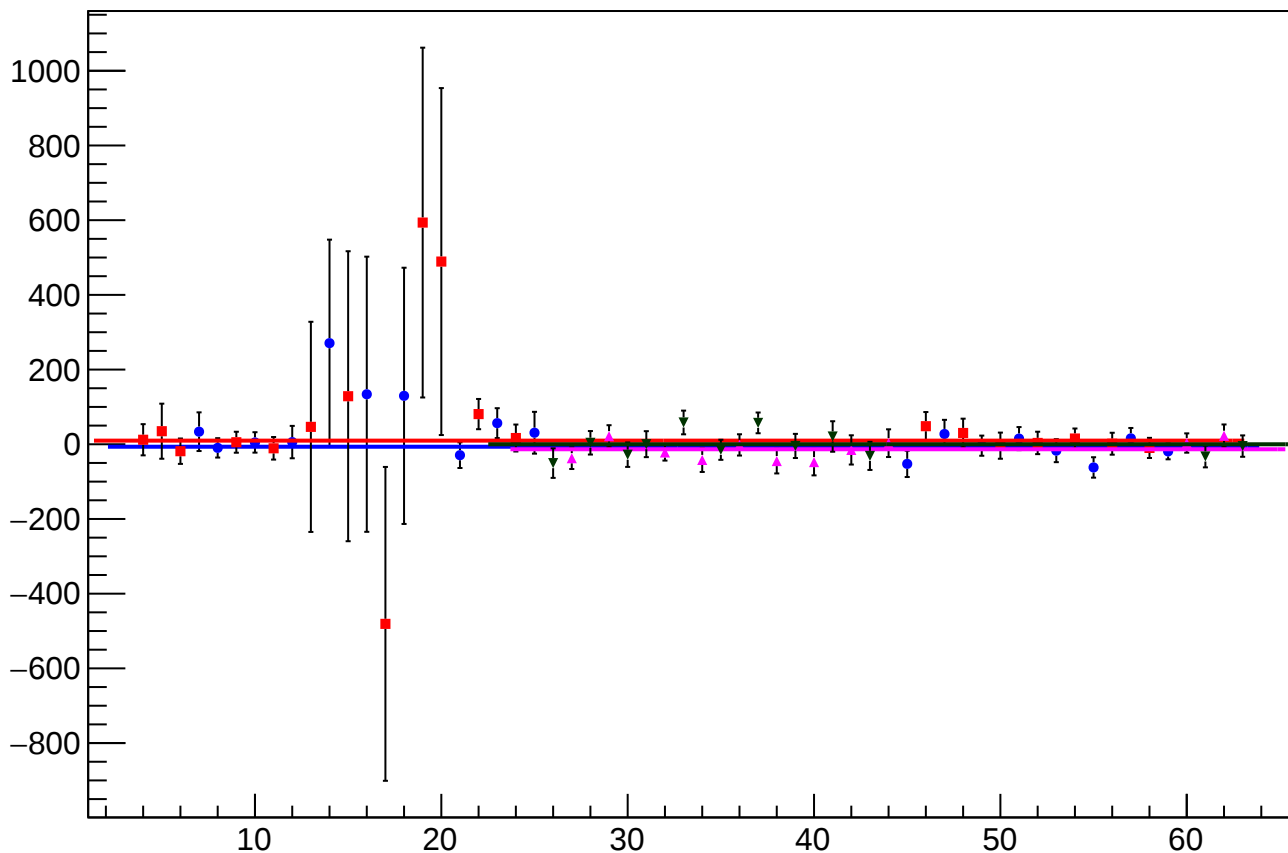
148.767+/-0.026 χ^2/NDF : 2259053.5/29

Right Out: 153.039+/-0.037 χ^2/NDF : 2037868.3/18

135.031+/-0.025 χ^2/NDF : 2868482.0/29

Left In: 119.769+/-0.034 χ^2/NDF : 382088.1/10

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: -6.569+/-8.065 χ^2 /NDF: 13.8/17

Left Out: -0.003+/-9.229 χ^2 /NDF:12.5/11

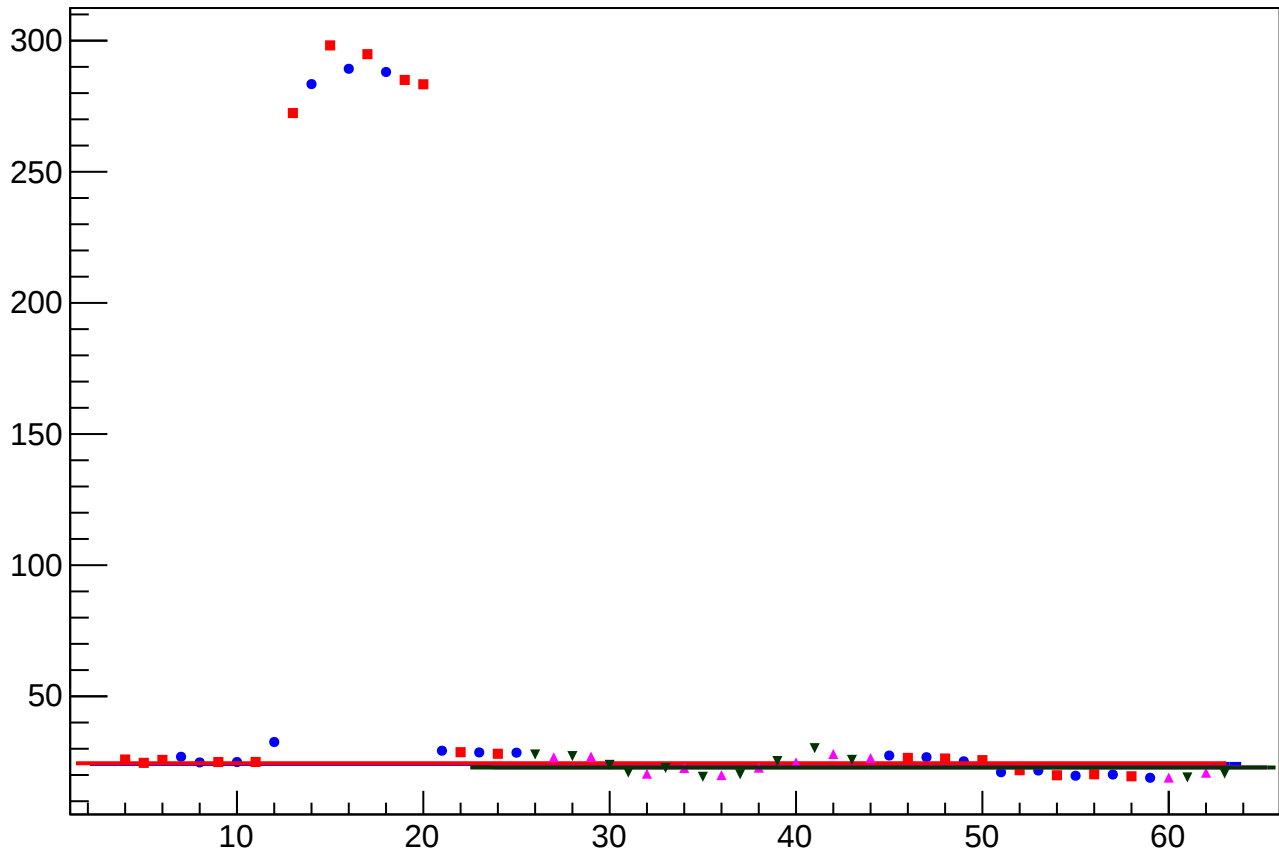
Right Out: 9.755+/-8.898 χ^2 /NDF: 10.7/18

Left In: -13.369+/-9.015 χ^2 /NDF:7.1/10

-3.726+/-6.073 χ^2 /NDF: 26.6/29

-1.657+/-6.333 χ^2 /NDF: 21.1/29

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 24.225+/-0.006 χ^2/NDF : 4413051.2/17

Left Out: 22.855+/-0.007 χ^2/NDF : 265087.1/11

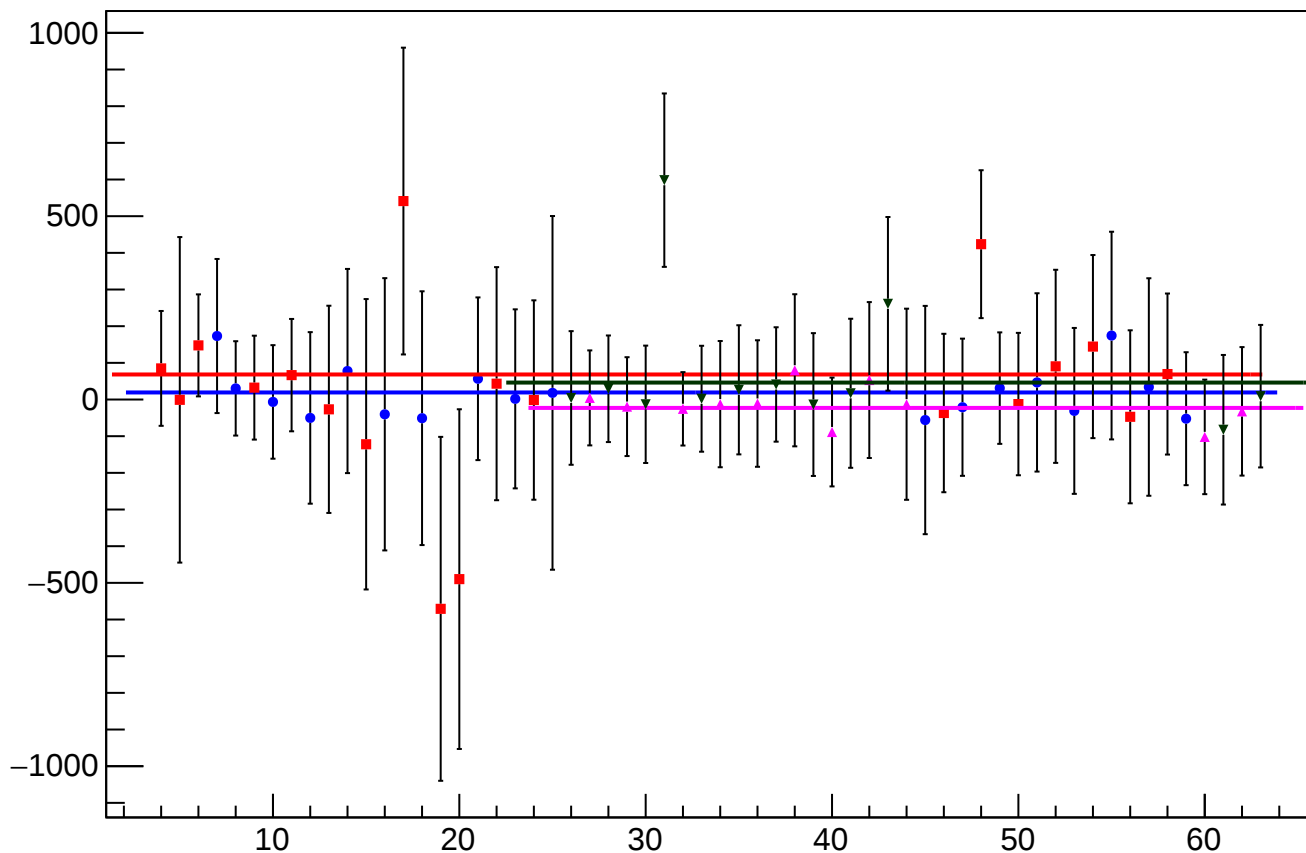
Right Out: 24.466+/-0.006 χ^2/NDF : 4859985.2/18

Left In: 22.889+/-0.006 χ^2/NDF : 232557.0/10

23.632+/-0.004 χ^2/NDF : 4703142.8/29

23.688+/-0.004 χ^2/NDF : 5123537.8/29

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 19.264+/-50.913 χ^2/NDF : 1.4/17

Left Out: 46.235+/-51.671 χ^2/NDF : 7.1/11

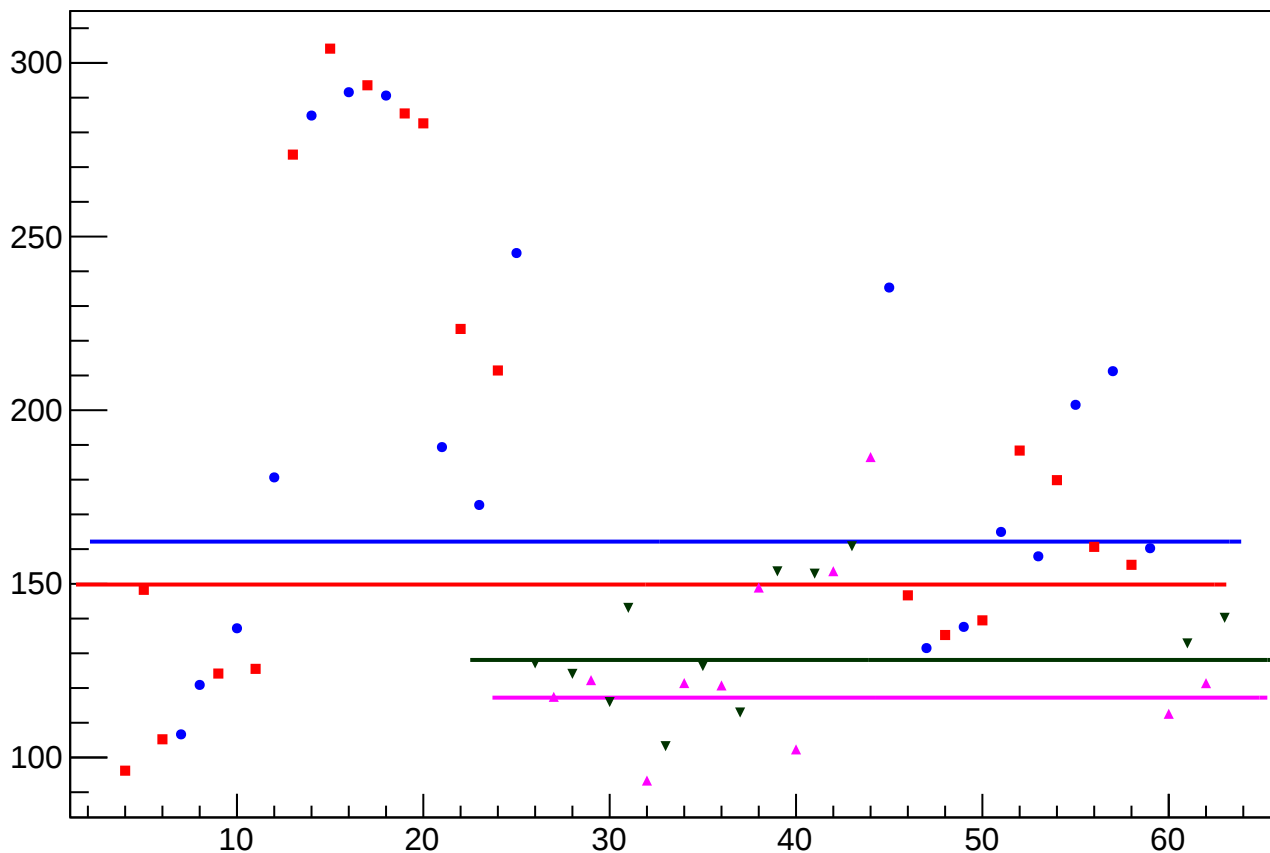
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -22.881+/-46.577 χ^2/NDF : 0.9/10

32.550+/-36.266 χ^2/NDF : 8.7/29

18.847+/-34.303 χ^2/NDF : 11.9/29

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.166+/-0.036 χ^2/NDF : 1720612.8/17

Left Out: 128.085+/-0.037 χ^2/NDF : 210564.0/11

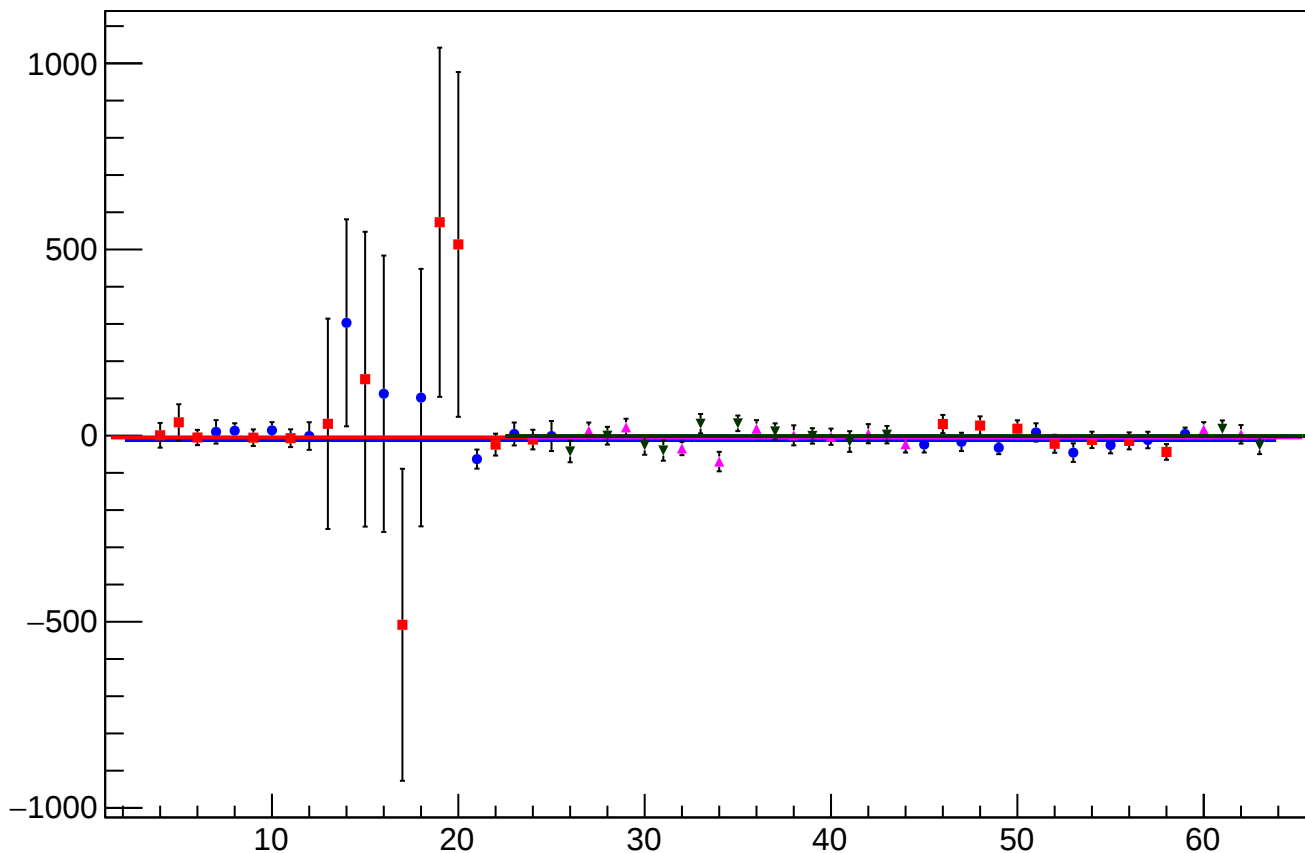
145.377+/-0.026 χ^2/NDF : 2372657.5/29

Right Out: 149.803+/-0.036 χ^2/NDF : 2114602.4/18

132.136+/-0.024 χ^2/NDF : 2950622.7/29

Left In: 117.231+/-0.033 χ^2/NDF : 388450.5/10

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -11.713+/-6.036 χ^2/NDF : 15.0/17

Left Out: -1.188+/-6.919 χ^2/NDF : 11.7/11

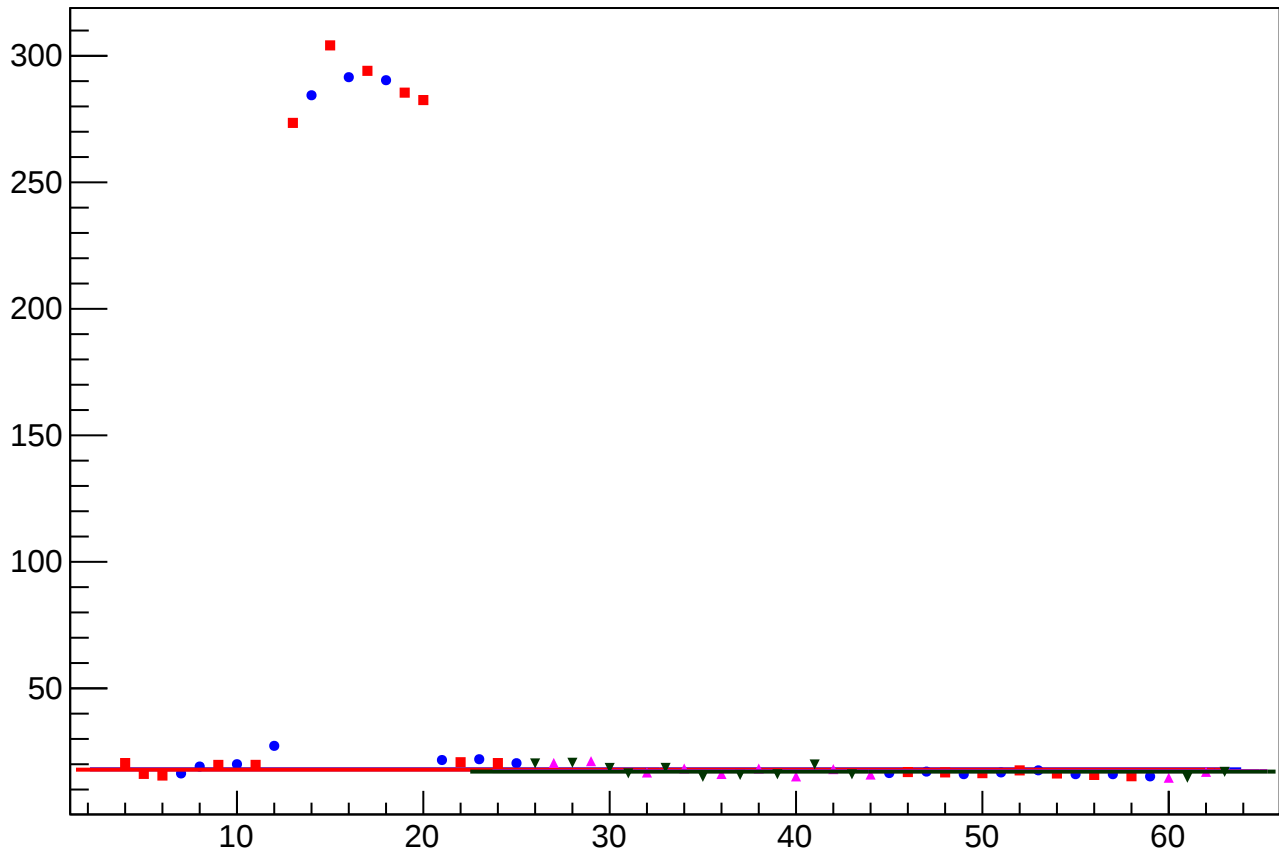
Right Out: -4.846+/-6.550 χ^2/NDF : 14.7/18

Left In: -4.778+/-6.831 χ^2/NDF : 14.0/10

-7.165+/-4.548 χ^2/NDF : 28.0/29

-4.813+/-4.728 χ^2/NDF : 28.6/29

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 17.988+/-0.004 χ^2/NDF : 4525208.5/17

Left Out: 17.090+/-0.005 χ^2/NDF : 162613.7/11

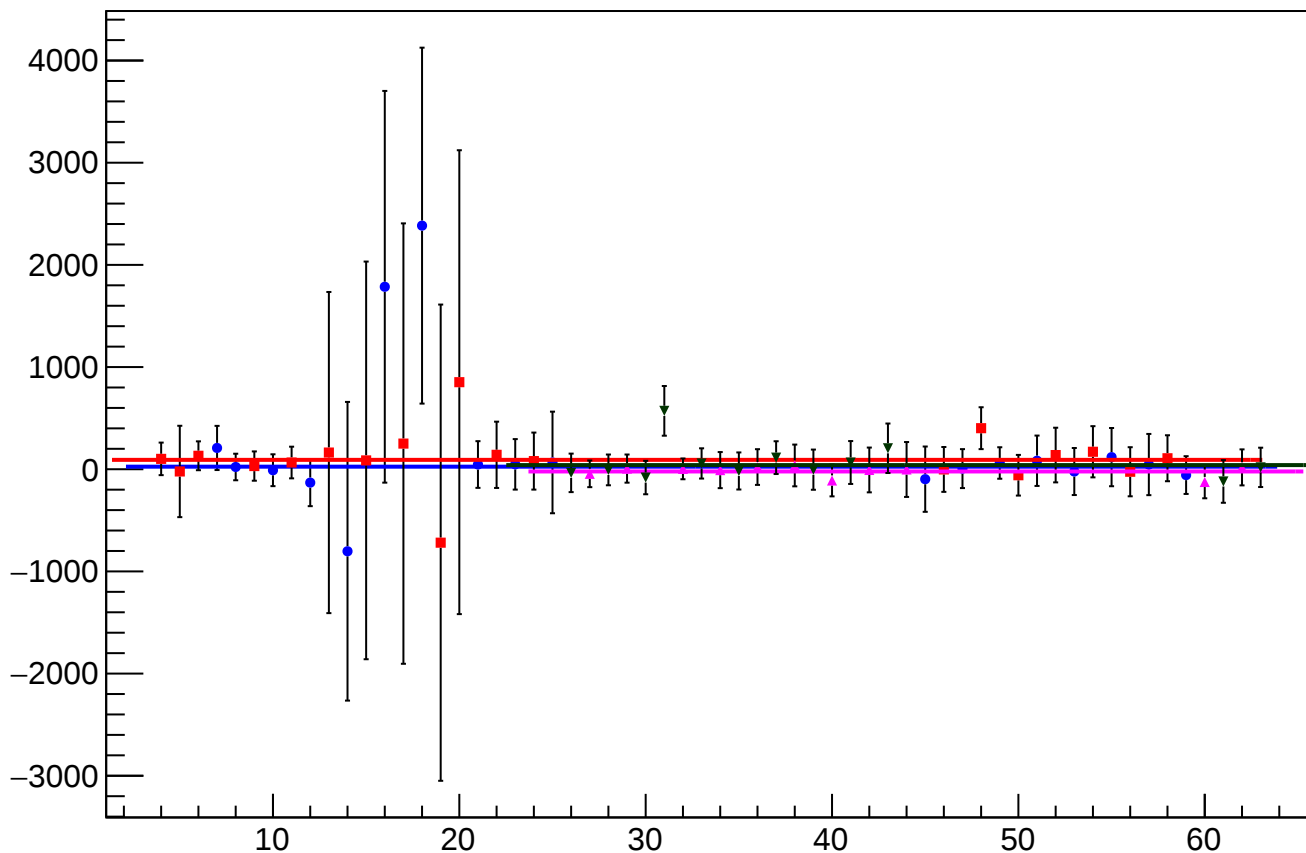
Right Out: 17.855+/-0.005 χ^2/NDF : 5034119.1/18

Left In: 17.287+/-0.005 χ^2/NDF : 174417.5/10

17.600+/-0.003 χ^2/NDF : 4706957.9/29

17.583+/-0.003 χ^2/NDF : 5215727.7/29

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 25.115+/-53.539 χ^2/NDF : 4.9/17

Left Out: 40.513+/-52.921 χ^2/NDF : 7.0/11

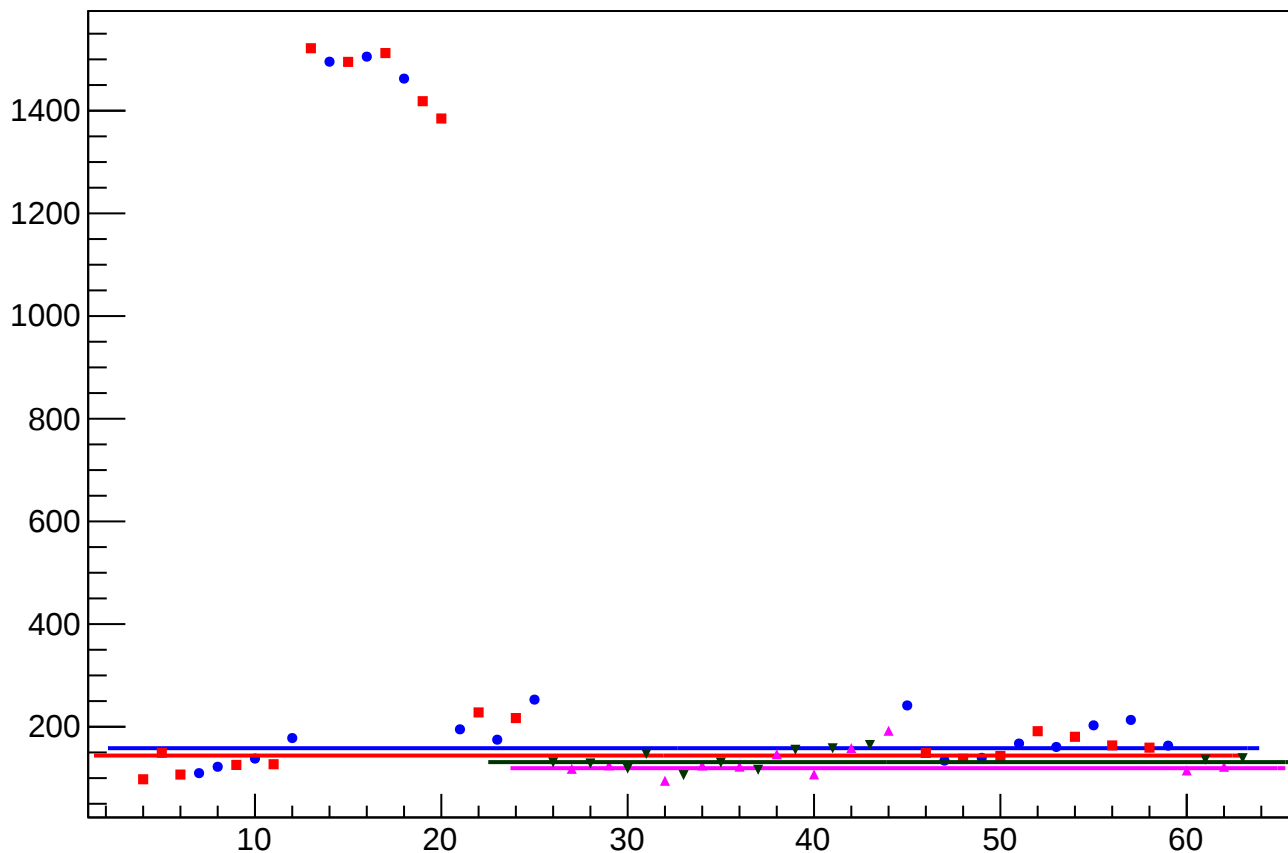
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

Left In: -21.823+/-47.429 χ^2/NDF : 1.1/10

32.903+/-37.637 χ^2/NDF : 11.9/29

27.829+/-35.584 χ^2/NDF : 7.6/29

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 158.277+/-0.038 χ^2/NDF : 4538983.8/17

Left Out: 131.166+/-0.037 χ^2/NDF : 201902.2/11

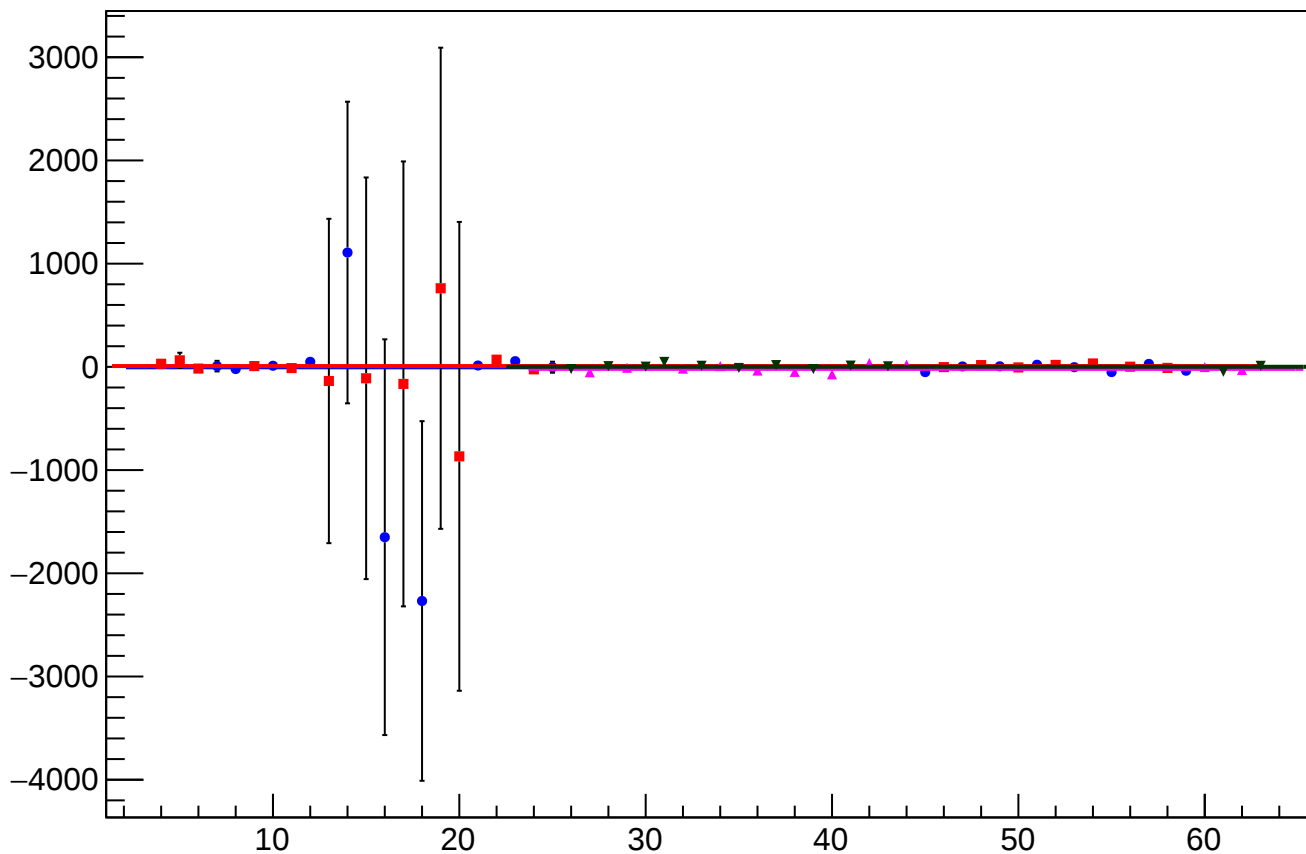
144.564+/-0.027 χ^2/NDF : 5000265.7/29

Right Out: 143.939+/-0.038 χ^2/NDF : 5267987.5/18

130.108+/-0.025 χ^2/NDF : 5885364.1/29

Left In: 119.367+/-0.034 χ^2/NDF : 382739.6/10

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



Right In: -4.070+/-7.876 χ^2/NDF : 17.6/17

Left Out: 0.891+/-8.766 χ^2/NDF : 6.7/11

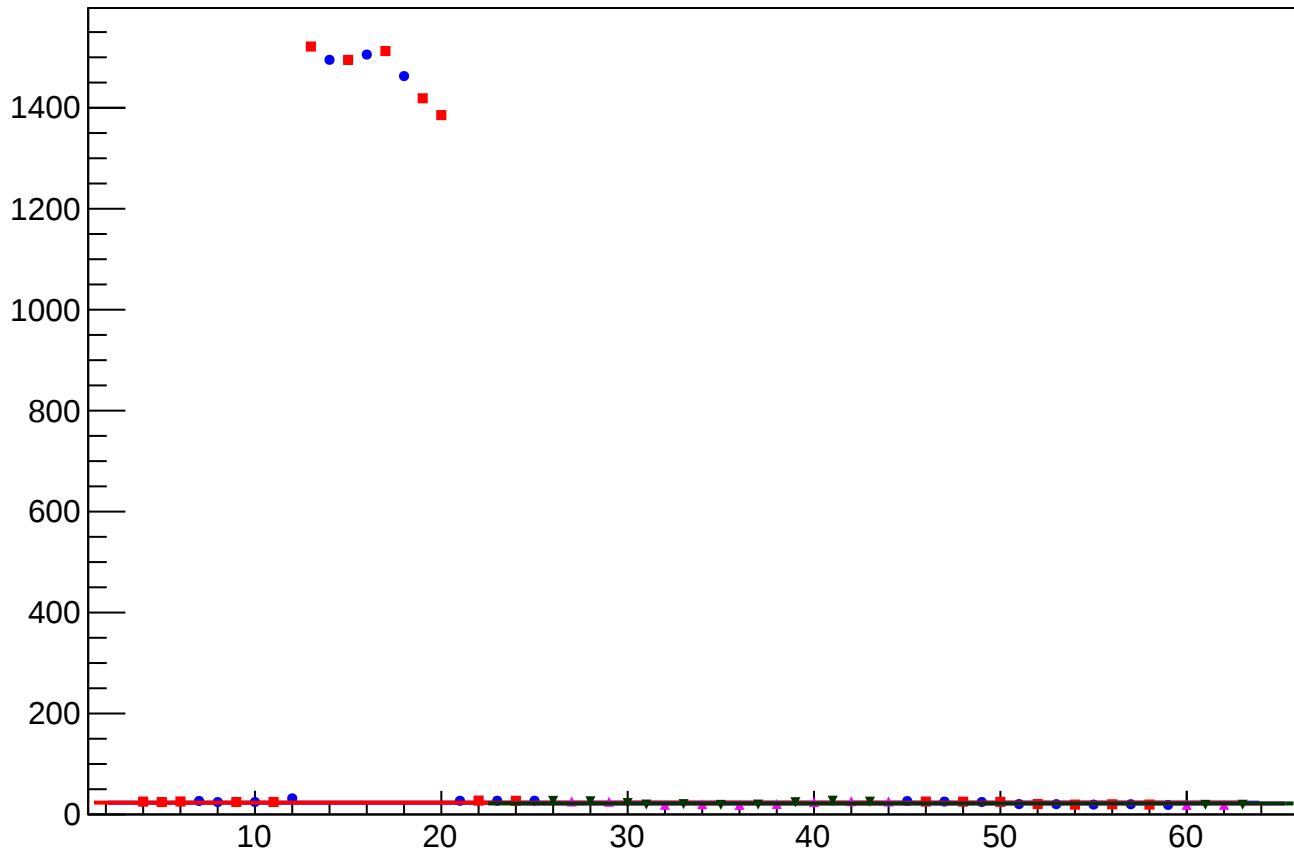
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

Left In: -19.364+/-8.477 χ^2/NDF : 10.4/10

-1.854+/-5.859 χ^2/NDF : 24.5/29

-6.079+/-6.078 χ^2/NDF : 22.8/29

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 23.336+/-0.006 χ^2/NDF : 4965228.2/17

Left Out: 21.803+/-0.006 χ^2/NDF : 239544.4/11

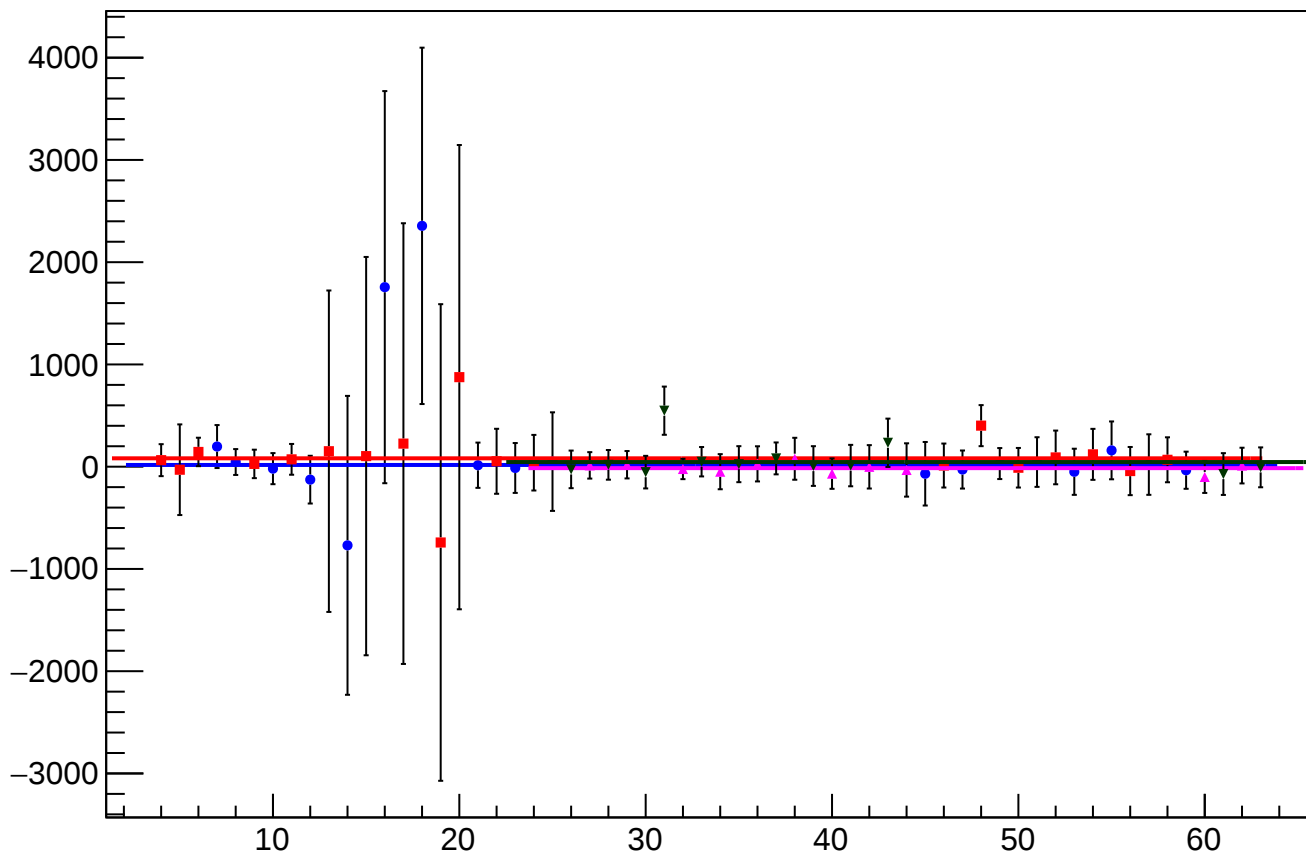
Right Out: 23.445+/-0.006 χ^2/NDF : 5561556.7/18

Left In: 21.653+/-0.006 χ^2/NDF : 239540.1/10

22.651+/-0.004 χ^2/NDF : 5238645.1/29

22.524+/-0.004 χ^2/NDF : 5844538.3/29

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 16.936+/-52.488 χ^2/NDF : 4.7/17

Left Out: 45.444+/-51.624 χ^2/NDF : 6.3/11

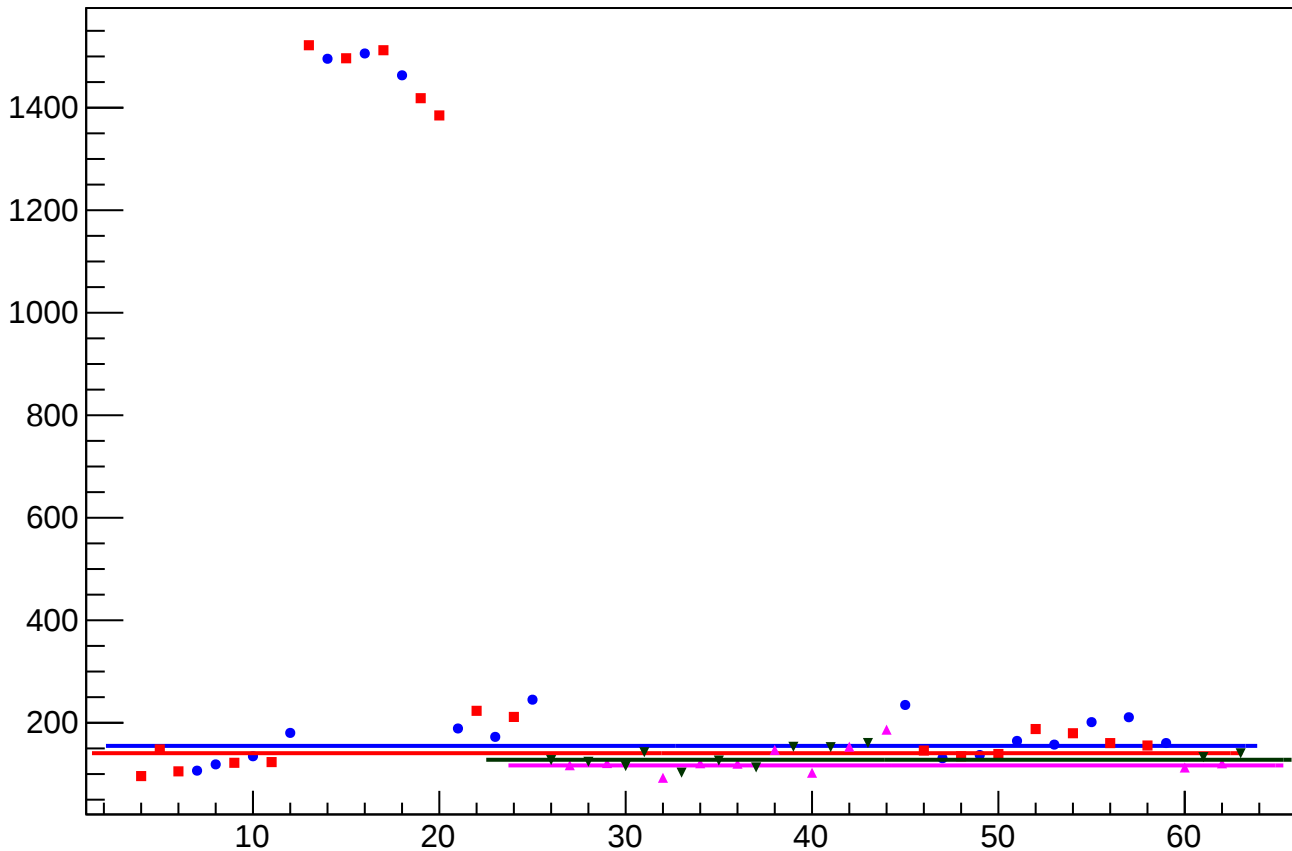
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -14.239+/-46.422 χ^2/NDF : 0.9/10

31.427+/-36.805 χ^2/NDF : 11.2/29

27.799+/-34.825 χ^2/NDF : 6.7/29

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 154.947 $\pm$ 0.037 χ^2 /NDF: 4580594.9/17

Left Out: 127.864 $\pm$ 0.037 χ^2 /NDF: 212553.0/11

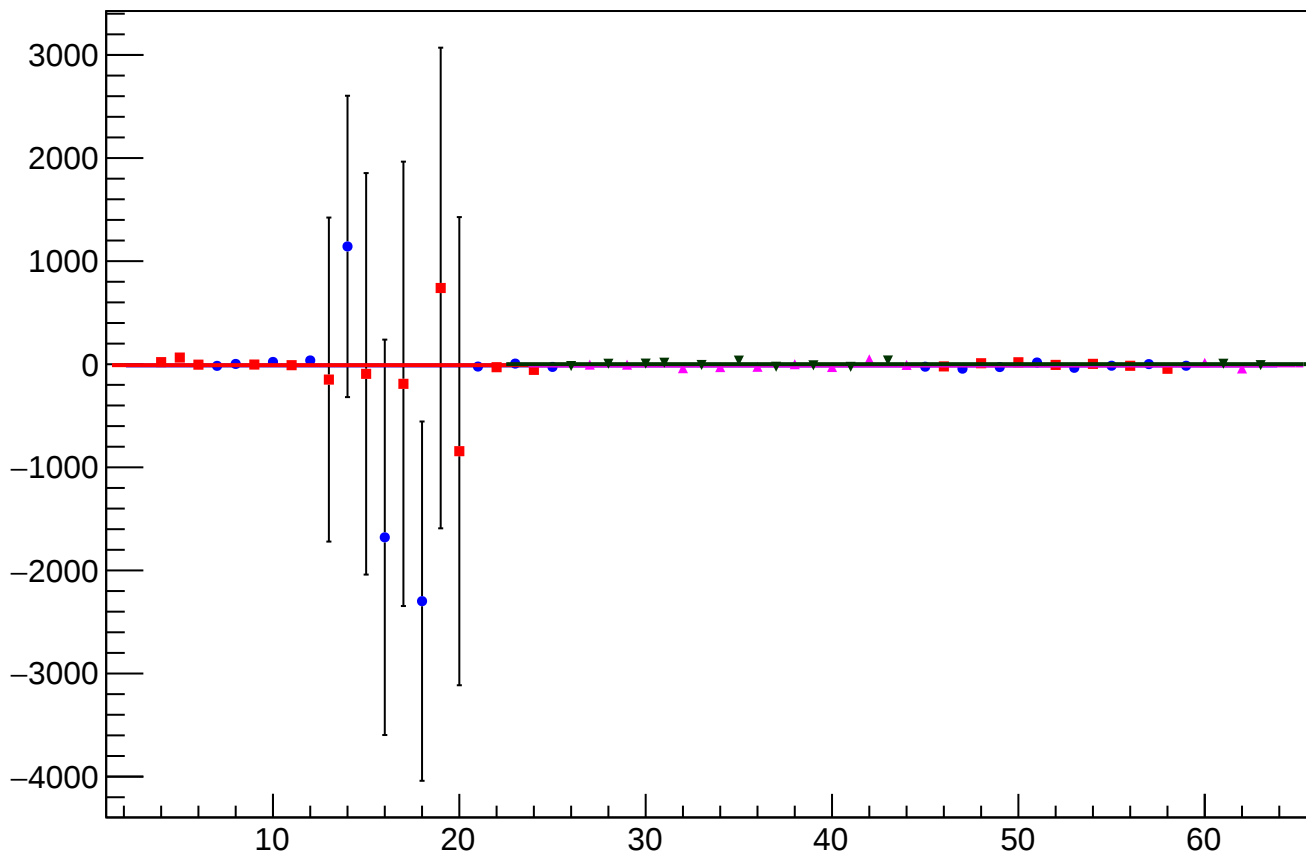
141.181 $\pm$ 0.026 χ^2 /NDF: 5063820.9/29

Right Out: 140.710 $\pm$ 0.037 χ^2 /NDF: 5291988.7/18

127.270 $\pm$ 0.025 χ^2 /NDF: 5912391.6/29

Left In: 116.829 $\pm$ 0.033 χ^2 /NDF: 388986.0/10

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -11.332 $\pm$ 5.773 χ^2 /NDF: 15.0/17

Left Out: 0.785 $\pm$ 6.425 χ^2 /NDF: 9.7/11

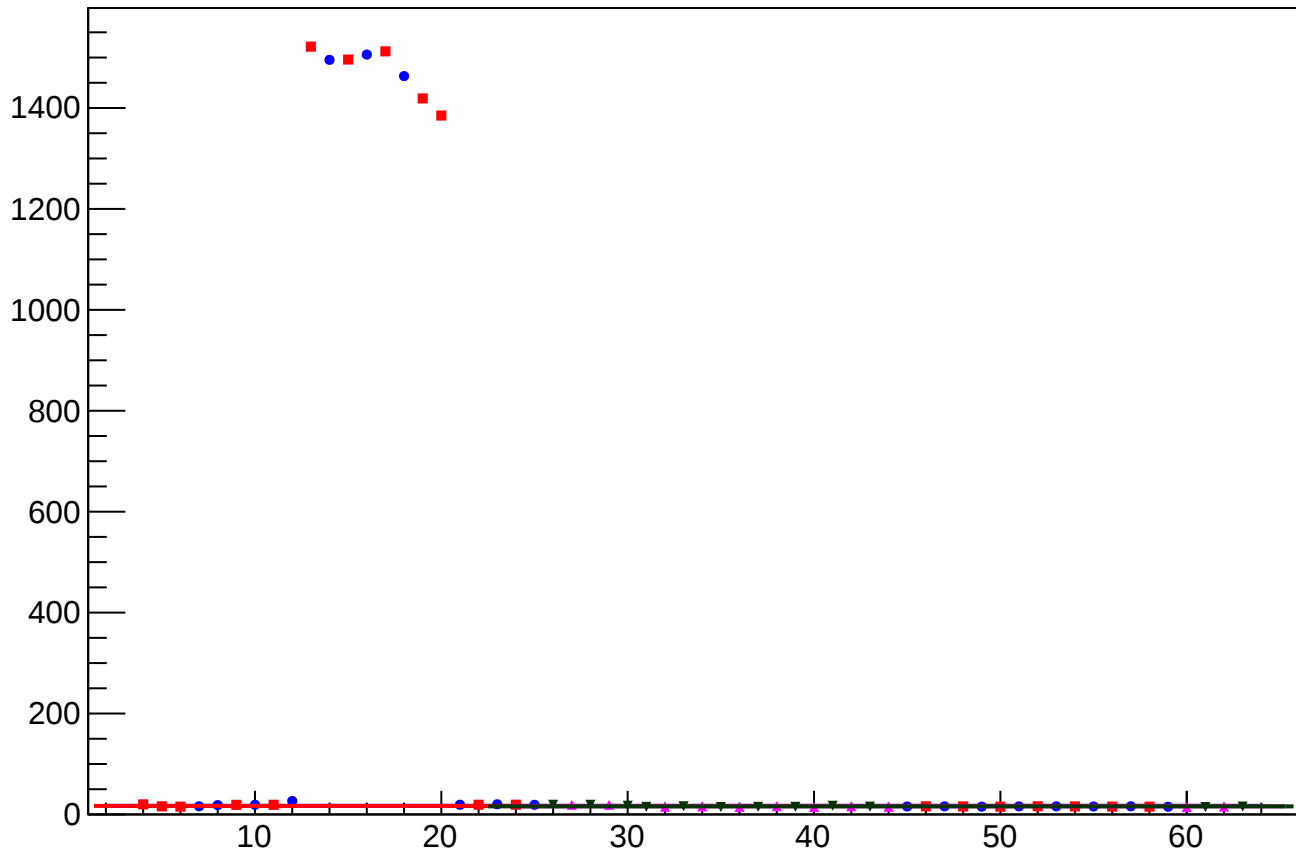
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

Left In: -11.658 $\pm$ 6.301 χ^2 /NDF: 14.8/10

-5.919 $\pm$ 4.294 χ^2 /NDF: 26.7/29

-10.259 $\pm$ 4.453 χ^2 /NDF: 28.3/29

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 17.094 $\pm$ 0.004 χ^2 /NDF: 4922010.4/17

Left Out: 16.033 $\pm$ 0.005 χ^2 /NDF:107280.7/11

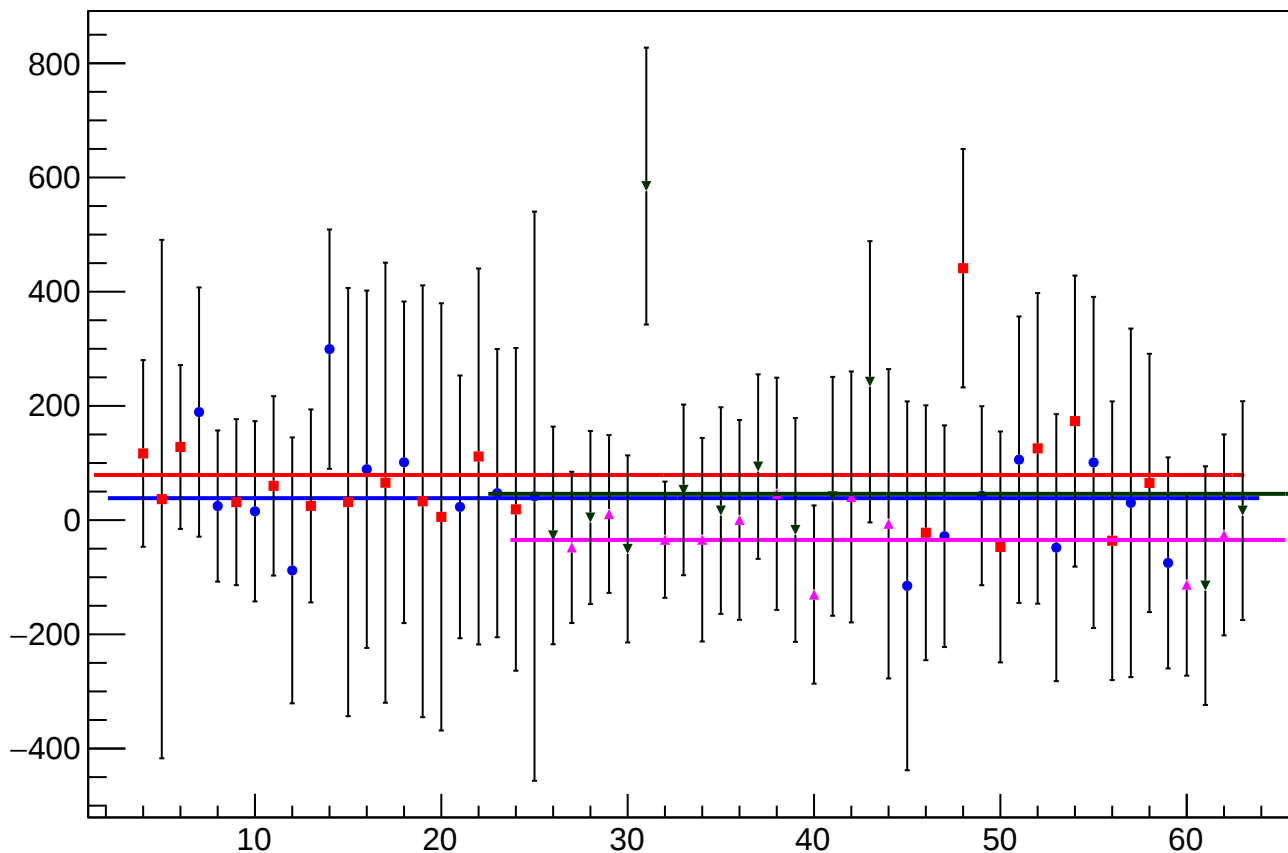
Right Out: 16.920 $\pm$ 0.004 χ^2 /NDF: 5539958.1/18

Left In: 16.152 $\pm$ 0.004 χ^2 /NDF:118194.2/10

16.620 $\pm$ 0.003 χ^2 /NDF: 5059505.7/29

16.537 $\pm$ 0.003 χ^2 /NDF: 5672992.2/29

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 38.450+/-51.040 χ^2/NDF : 3.4/17

Left Out: 46.048+/-53.103 χ^2/NDF : 7.0/11

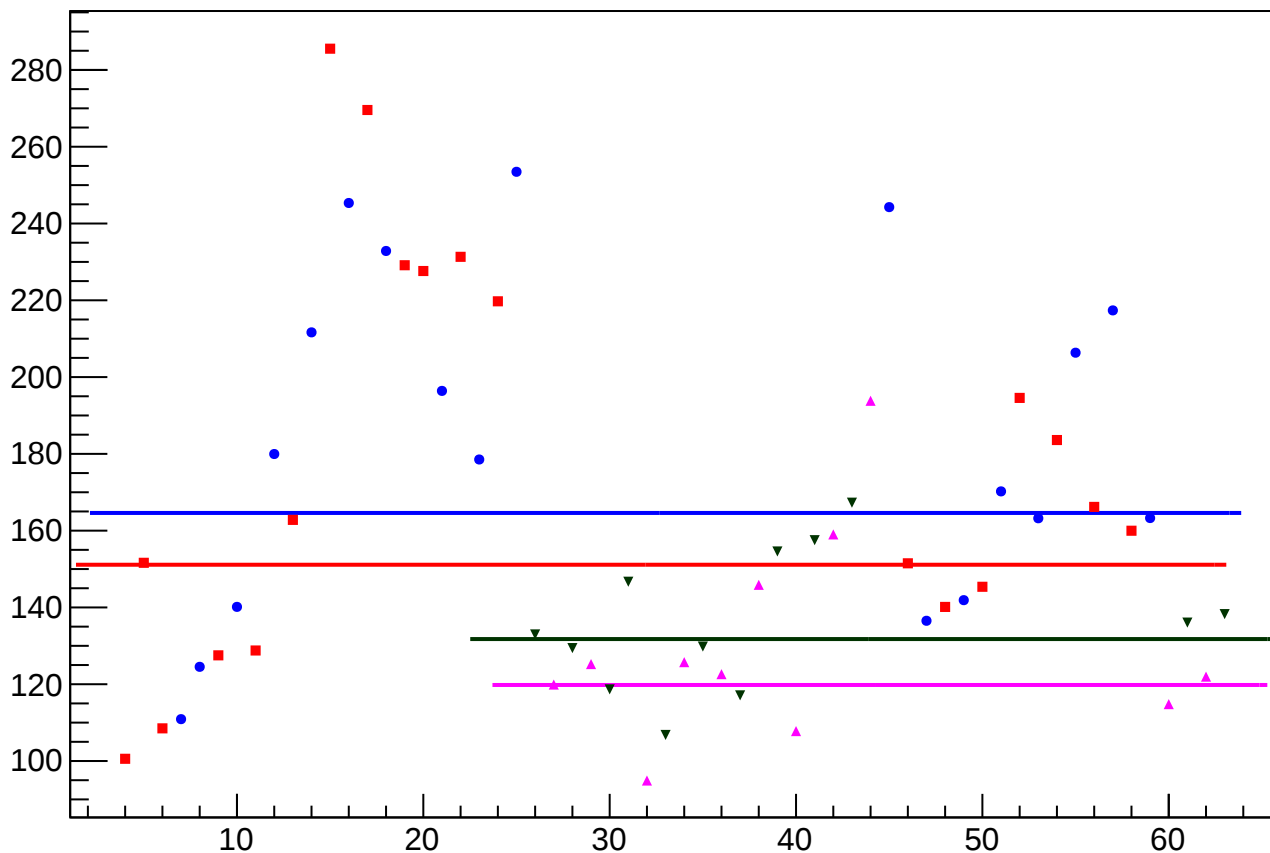
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

Left In: -34.666+/-47.600 χ^2/NDF : 1.1/10

42.098+/-36.799 χ^2/NDF : 10.4/29

19.146+/-34.552 χ^2/NDF : 8.3/29

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 164.613+/-0.036 χ^2/NDF : 1128549.0/17

Left Out: 131.765+/-0.038 χ^2/NDF : 195740.7/11

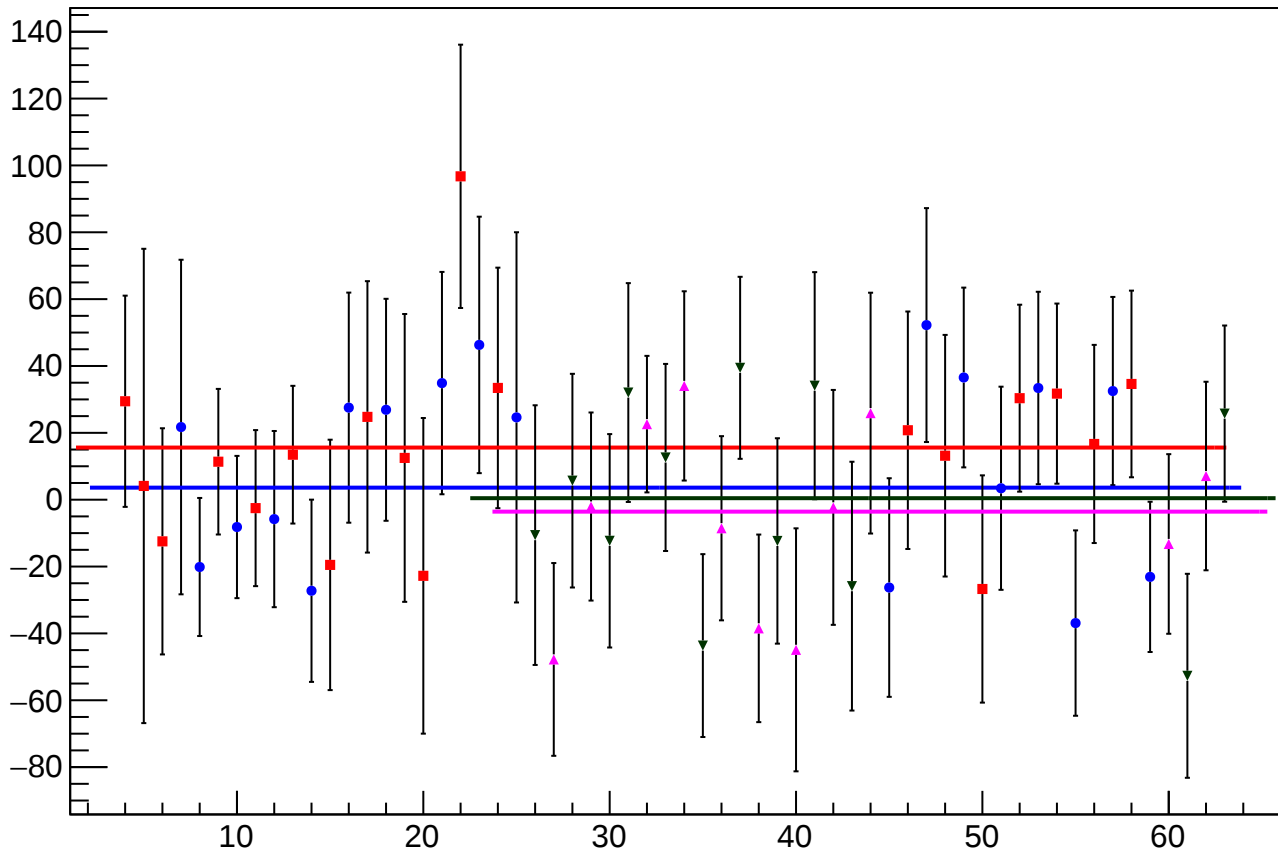
Right Out: 151.124+/-0.036 χ^2/NDF : 1423423.3/18

Left In: 119.806+/-0.034 χ^2/NDF : 385605.8/10

148.839+/-0.026 χ^2/NDF : 1722057.9/29

134.622+/-0.024 χ^2/NDF : 2218633.5/29

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



Right In: 3.606 ± 6.842 $\chi^2/\text{NDF}: 16.3/17$

Left Out: 0.451 ± 8.880 $\chi^2/\text{NDF}: 11.6/11$

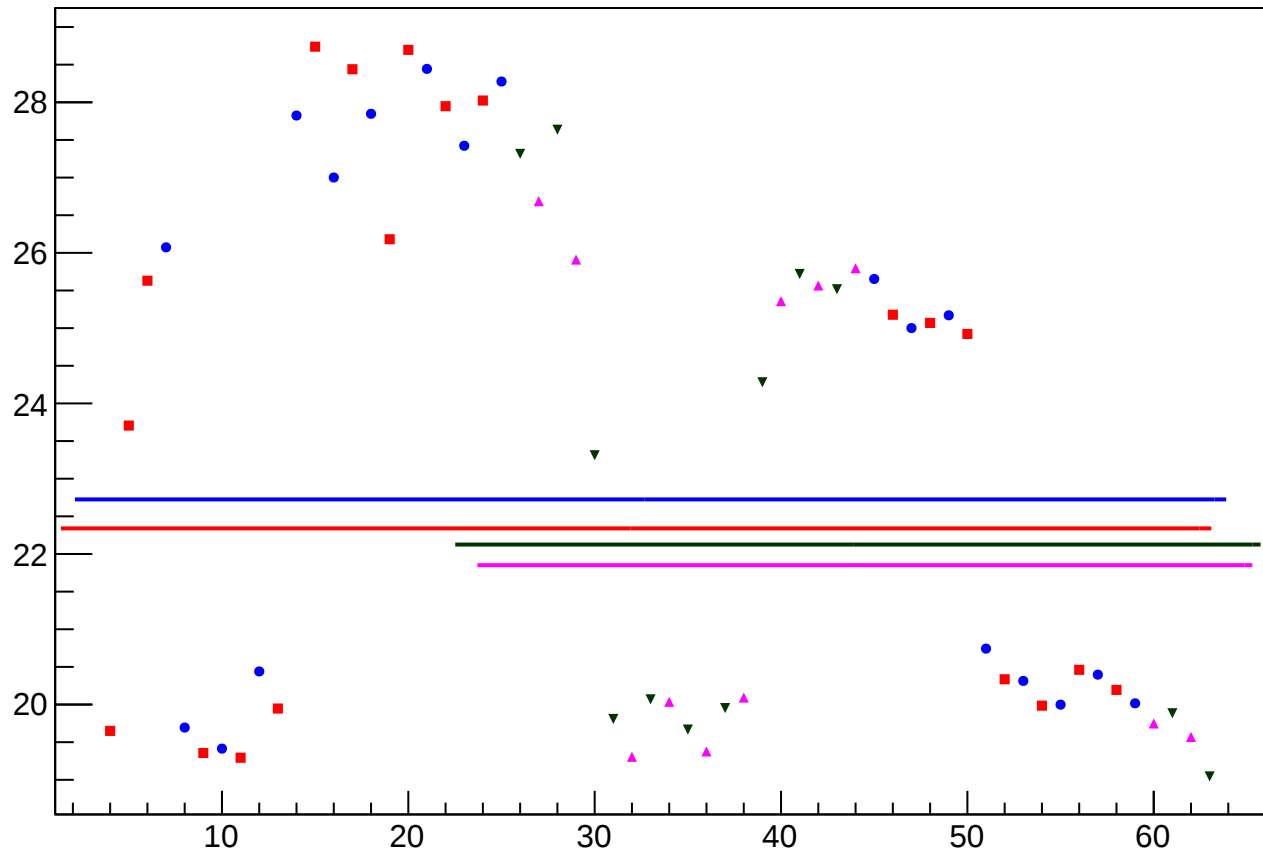
Right Out: 15.596 ± 7.143 $\chi^2/\text{NDF}: 10.3/18$

Left In: -3.574 ± 8.550 $\chi^2/\text{NDF}: 9.6/10$

2.431 ± 5.420 $\chi^2/\text{NDF}: 28.1/29$

7.716 ± 5.482 $\chi^2/\text{NDF}: 22.9/29$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 22.725 $\pm$ 0.005 χ^2 /NDF: 498774.9/17

Left Out: 22.125 $\pm$ 0.006 χ^2 /NDF: 234566.1/11

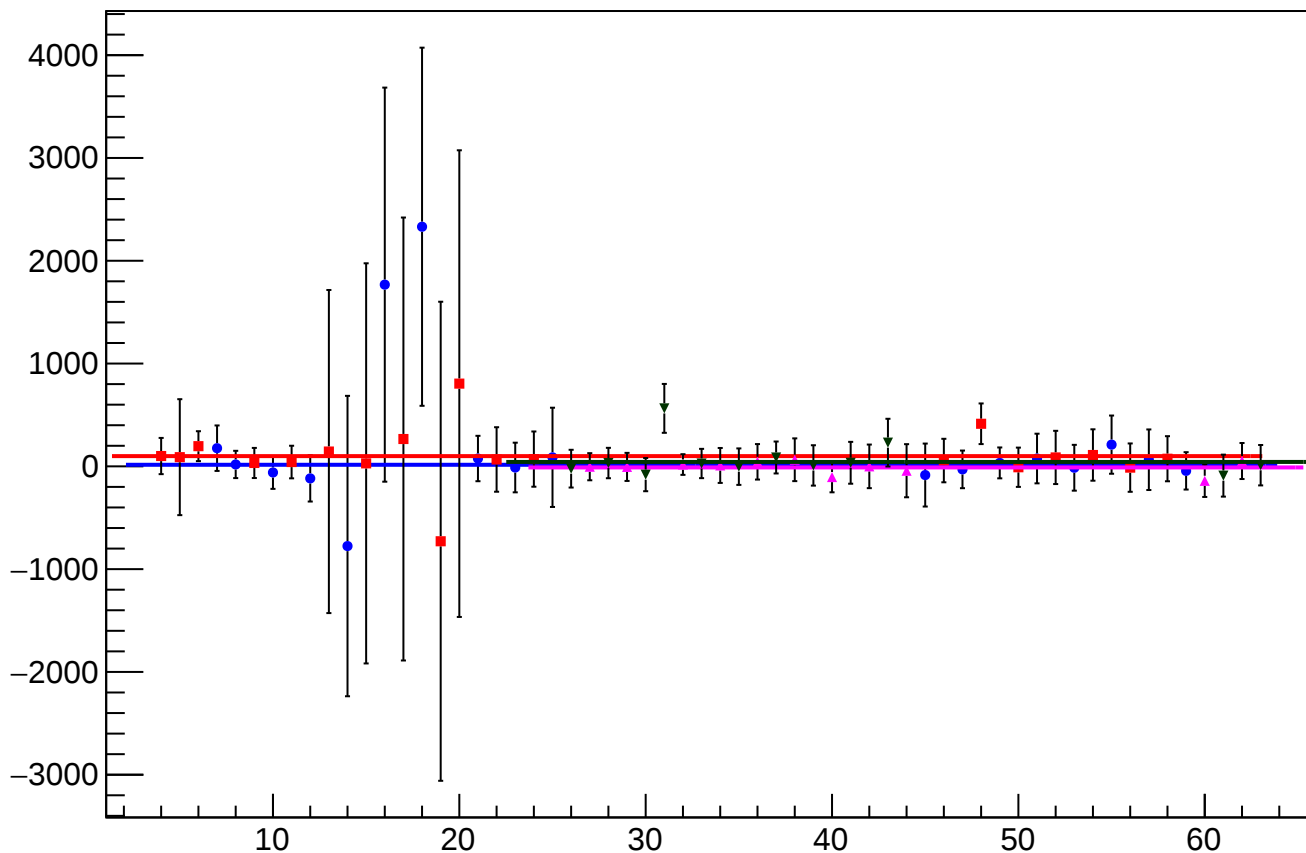
Right Out: 22.340 $\pm$ 0.005 χ^2 /NDF: 460008.2/18

Left In: 21.852 $\pm$ 0.006 χ^2 /NDF: 251444.0/10

22.502 $\pm$ 0.004 χ^2 /NDF: 739060.3/29

22.139 $\pm$ 0.004 χ^2 /NDF: 715294.7/29

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 15.197+/-53.019 χ^2/NDF : 5.0/17

Left Out: 42.938+/-51.816 χ^2/NDF : 6.8/11

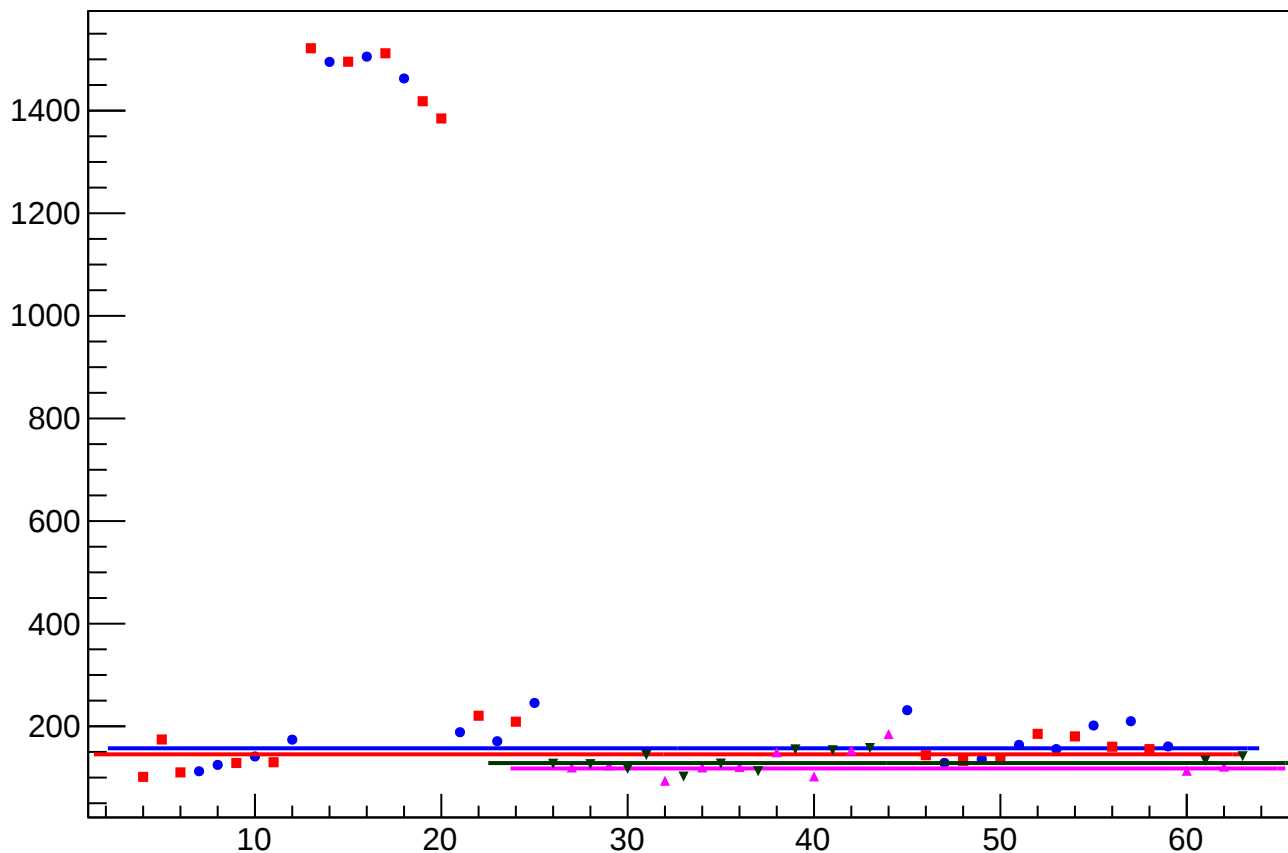
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -10.634+/-46.773 χ^2/NDF : 1.6/10

29.386+/-37.057 χ^2/NDF : 11.9/29

36.296+/-35.434 χ^2/NDF : 8.1/29

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 157.088+/-0.037 χ^2/NDF : 4456786.2/17

Left Out: 128.309+/-0.037 χ^2/NDF : 217514.9/11

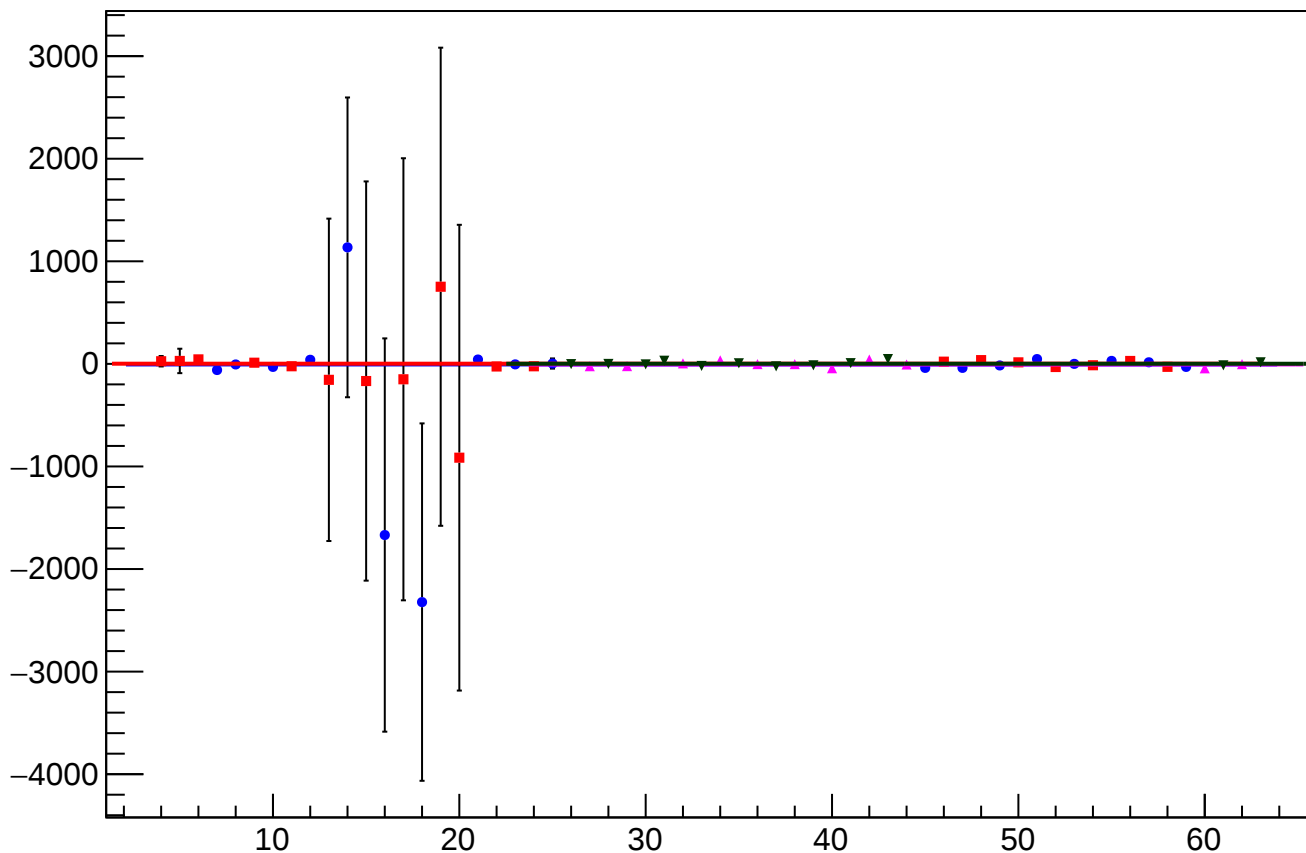
Right Out: 145.299+/-0.038 χ^2/NDF : 5124139.9/18

Left In: 117.781+/-0.033 χ^2/NDF : 379428.4/10

142.368+/-0.026 χ^2/NDF : 4975699.9/29

129.506+/-0.025 χ^2/NDF : 5798528.0/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -5.662+/-7.390 χ^2/NDF : 18.7/17

Left Out: 1.170+/-8.398 χ^2/NDF : 5.8/11

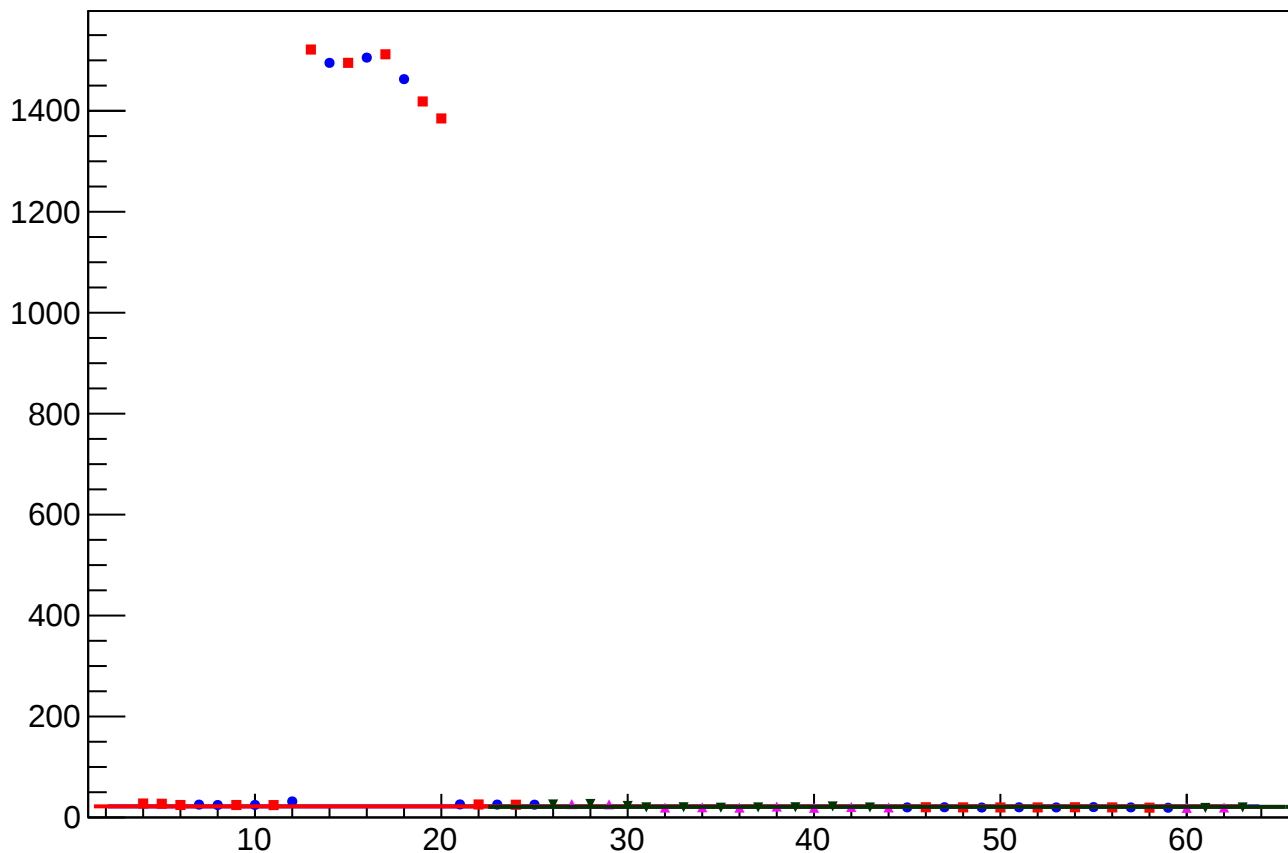
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -5.870+/-8.177 χ^2/NDF : 9.6/10

-2.681+/-5.548 χ^2/NDF : 24.9/29

-2.113+/-5.812 χ^2/NDF : 20.4/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 21.918+/-0.005 χ^2 /NDF: 4931747.1/17

Left Out: 20.953+/-0.006 χ^2 /NDF:145827.2/11

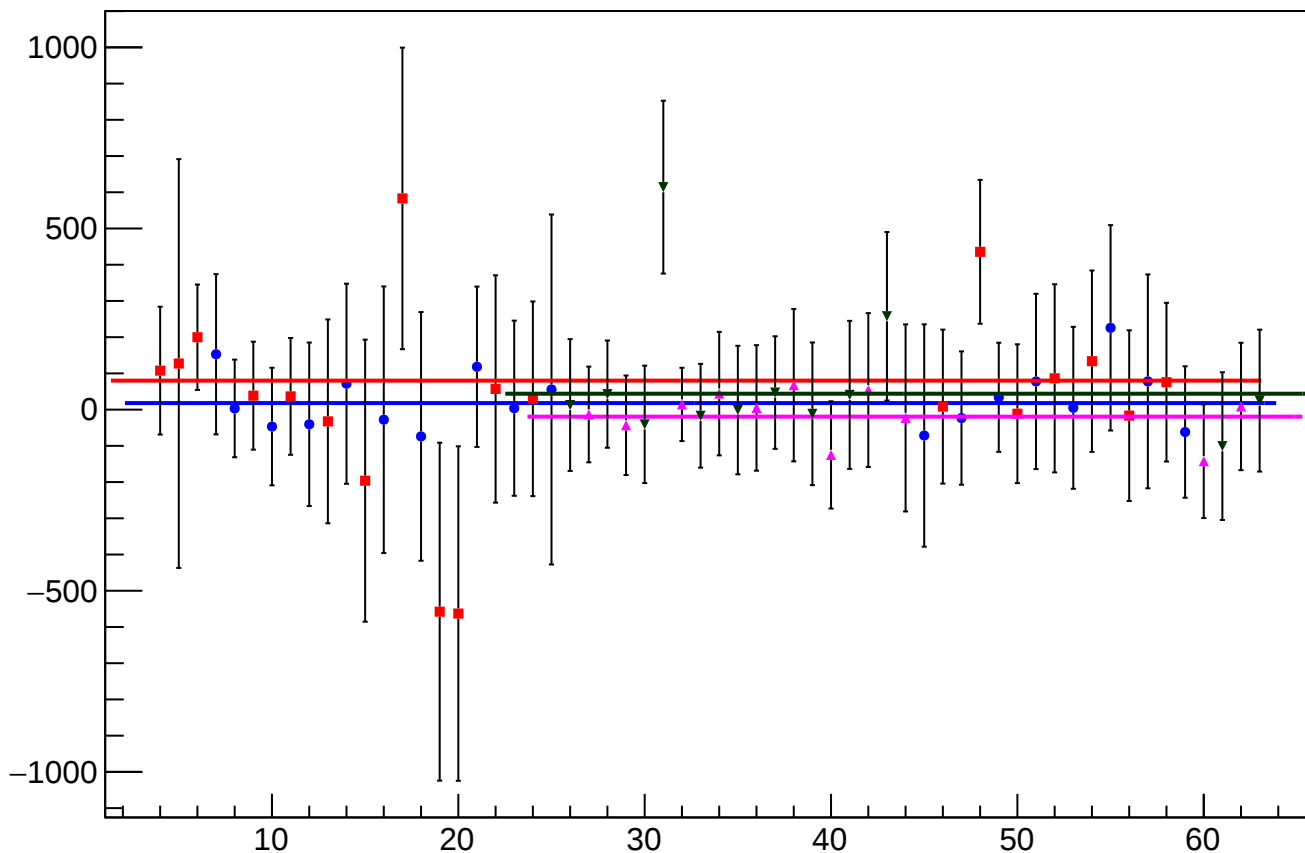
Right Out: 21.987+/-0.006 χ^2 /NDF: 5559967.3/18

Left In: 20.949+/-0.006 χ^2 /NDF:177661.6/10

21.497+/-0.004 χ^2 /NDF: 5092477.4/29

21.463+/-0.004 χ^2 /NDF: 5753572.4/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 18.106+/-51.332 χ^2/NDF : 1.9/17

Left Out: 43.946+/-51.859 χ^2/NDF : 7.7/11

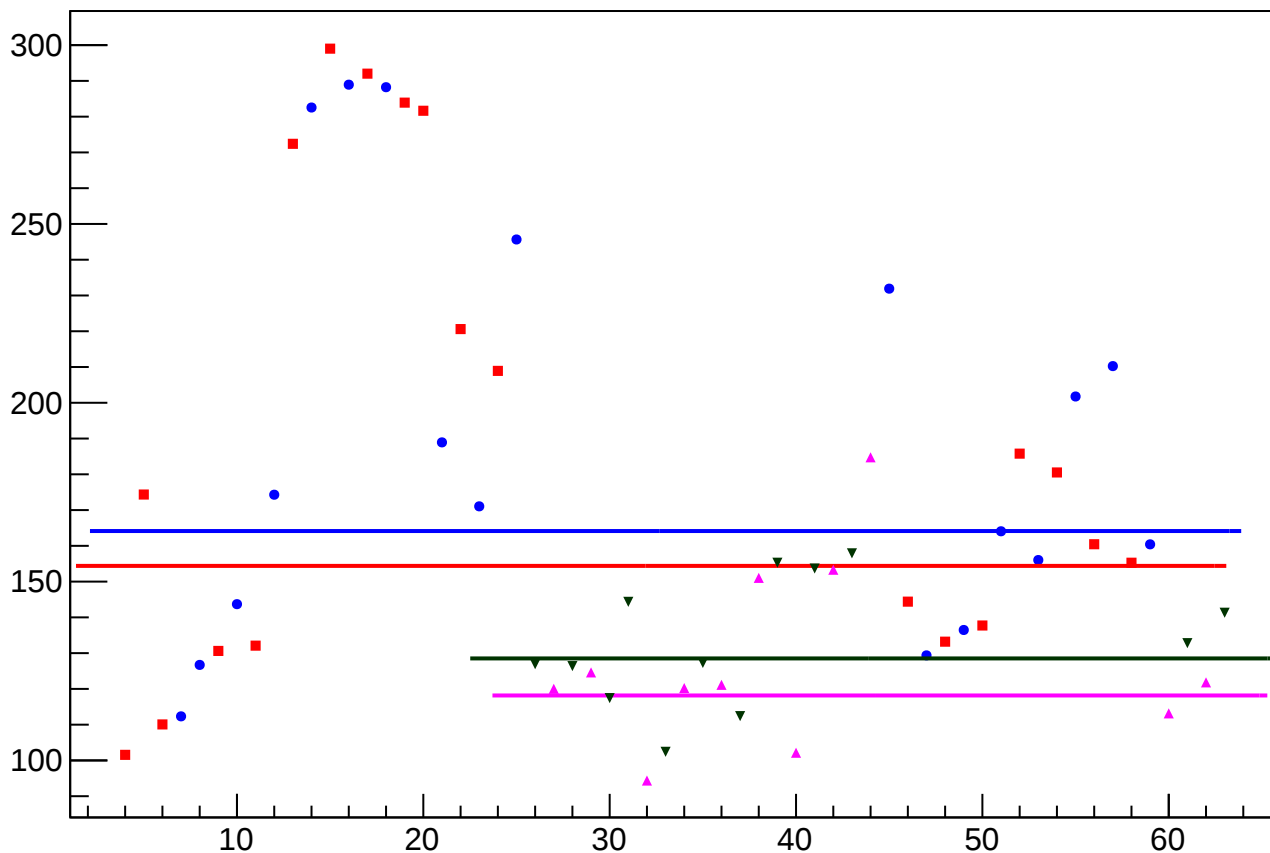
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

Left In: -19.395+/-46.922 χ^2/NDF : 1.7/10

30.894+/-36.482 χ^2/NDF : 9.8/29

25.156+/-34.860 χ^2/NDF : 14.3/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 164.140 $\pm$ 0.036 χ^2 /NDF: 1566554.6/17

Left Out: 128.520 $\pm$ 0.037 χ^2 /NDF: 215453.2/11

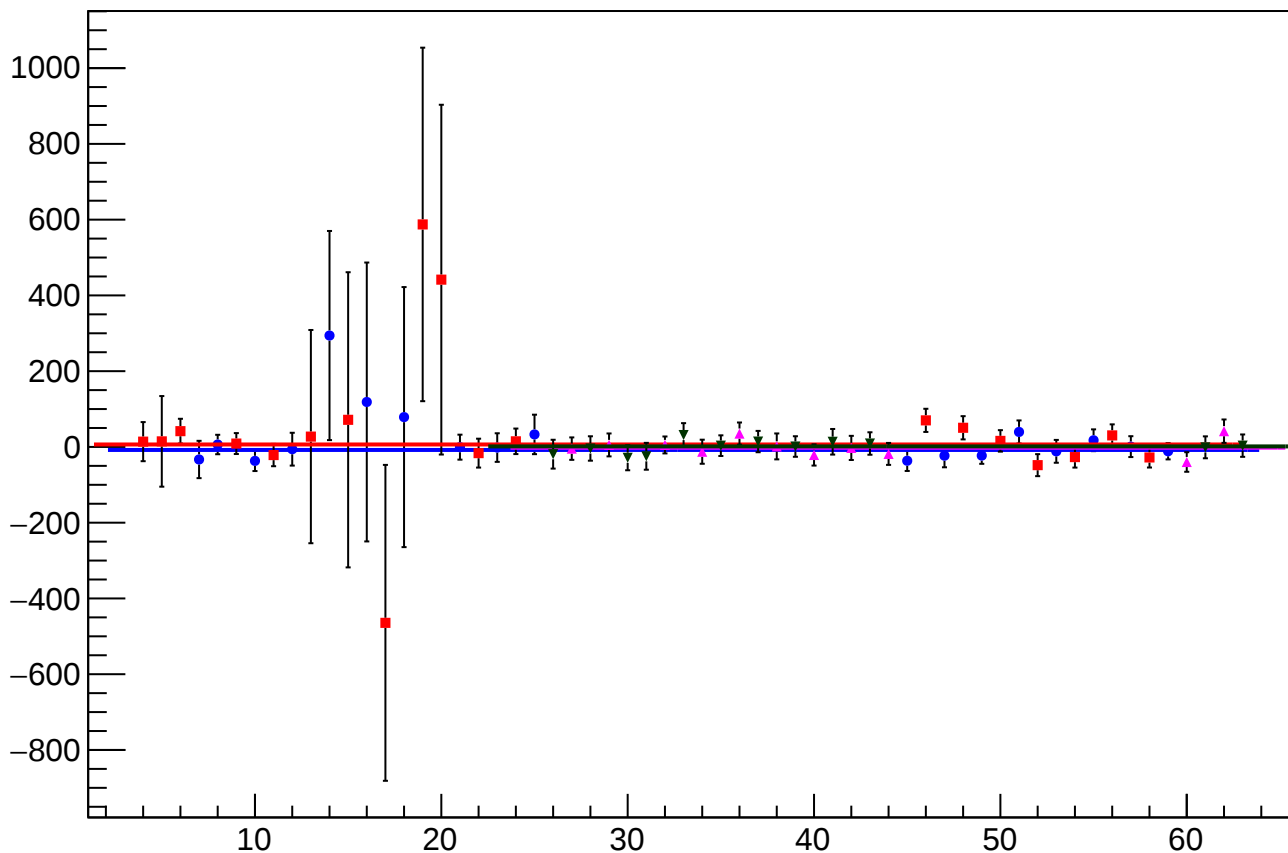
146.512 $\pm$ 0.026 χ^2 /NDF: 2258597.5/29

Right Out: 154.395 $\pm$ 0.037 χ^2 /NDF: 1875575.3/18

134.396 $\pm$ 0.025 χ^2 /NDF: 2789191.0/29

Left In: 118.164 $\pm$ 0.033 χ^2 /NDF: 379369.2/10

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



Right In: -7.981+/-7.603 χ^2/NDF : 9.0/17

Left Out: 1.370+/-8.872 χ^2/NDF : 3.0/11

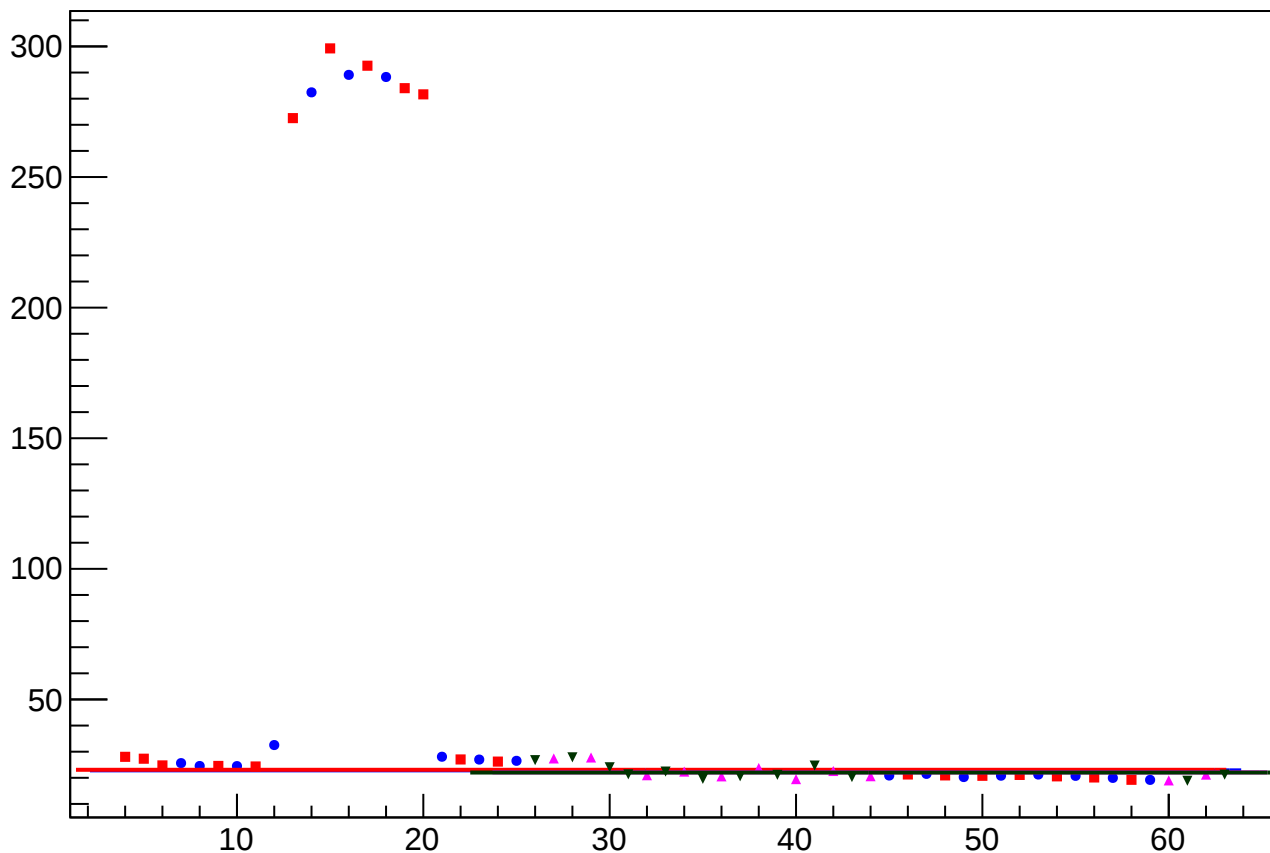
Right Out: 6.463+/-8.479 χ^2/NDF : 20.1/18

Left In: -2.031+/-8.686 χ^2/NDF : 6.8/10

-4.022+/-5.773 χ^2/NDF : 12.7/29

2.318+/-6.067 χ^2/NDF : 27.4/29

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 22.854+/-0.005 χ^2/NDF : 4363507.8/17

Left Out: 22.018+/-0.006 χ^2/NDF : 172173.7/11

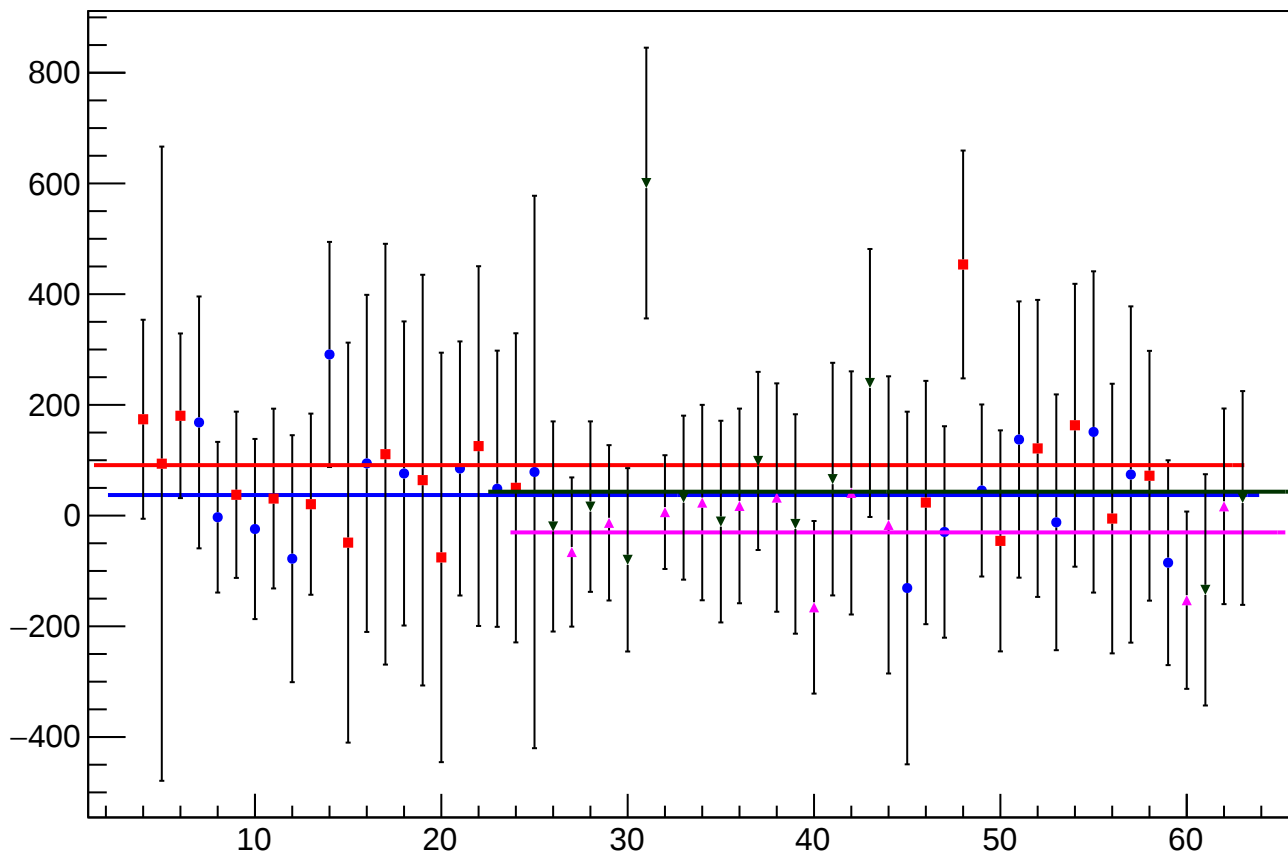
Right Out: 23.069+/-0.006 χ^2/NDF : 4856723.7/18

Left In: 22.084+/-0.006 χ^2/NDF : 203800.6/10

22.500+/-0.004 χ^2/NDF : 4545925.7/29

22.588+/-0.004 χ^2/NDF : 5073682.1/29

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 37.153+/-51.038 χ^2/NDF : 3.7/17

Left Out: 43.163+/-53.273 χ^2/NDF : 7.6/11

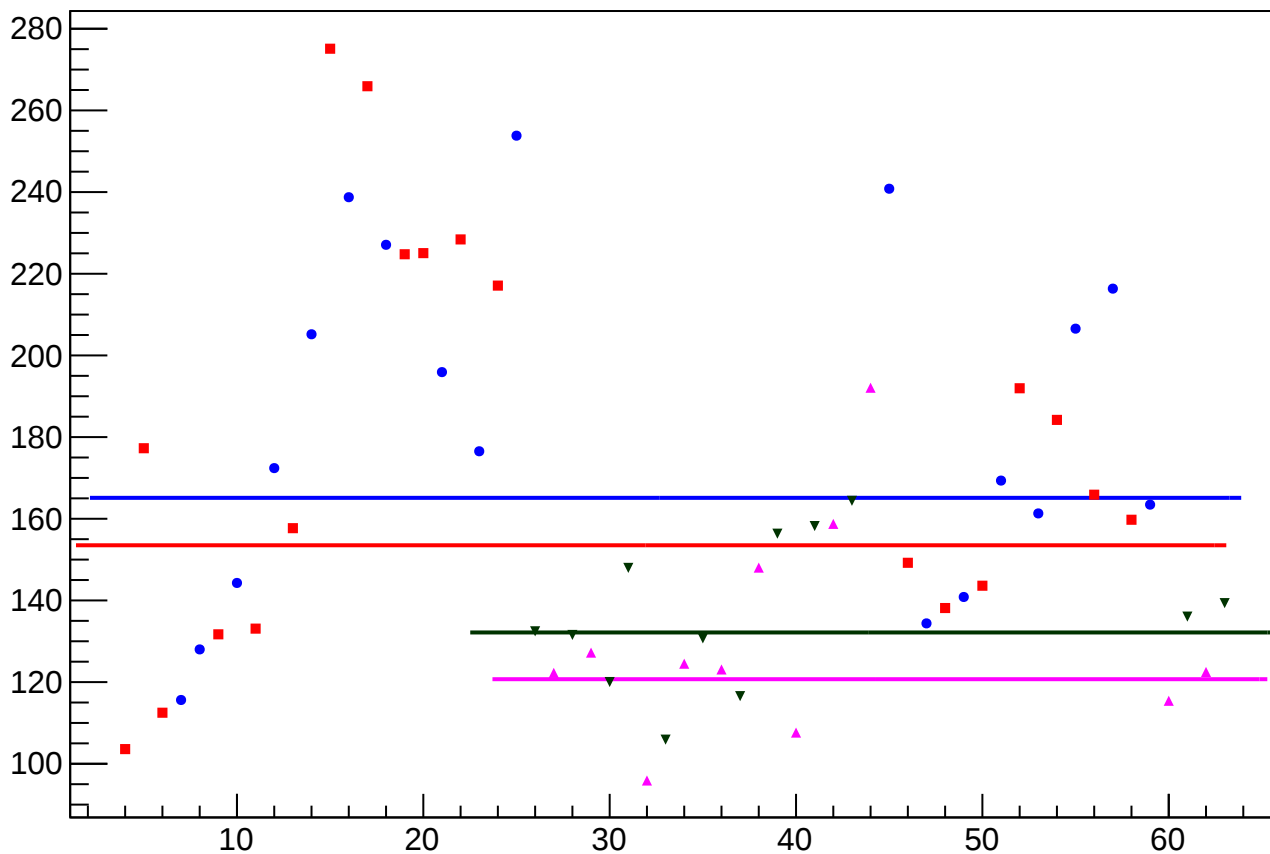
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -30.380+/-47.929 χ^2/NDF : 2.0/10

40.029+/-36.854 χ^2/NDF : 11.3/29

26.698+/-34.905 χ^2/NDF : 10.4/29

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 165.125 $\pm$ 0.036 χ^2/NDF : 990659.0/17

Left Out: 132.157 $\pm$ 0.038 χ^2/NDF : 200342.2/11

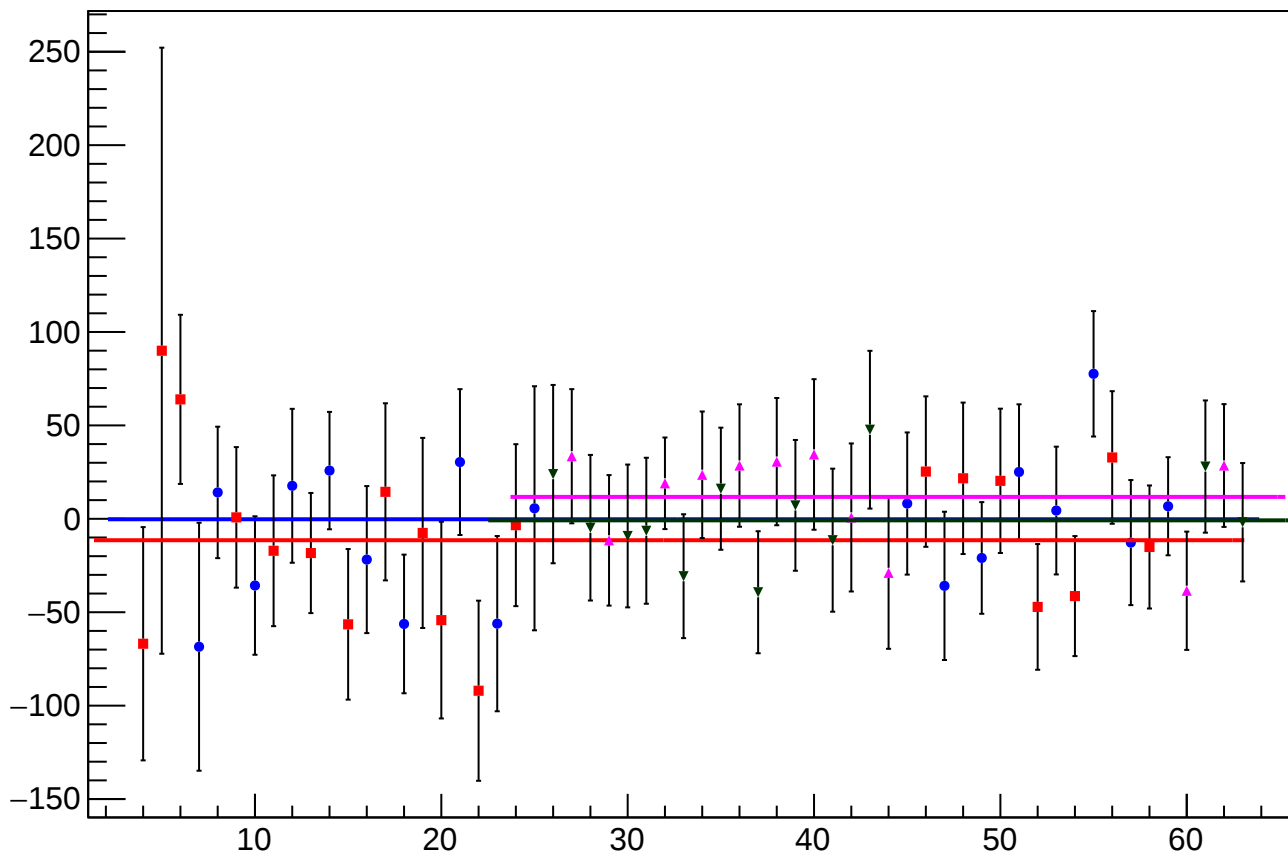
Right Out: 153.509 $\pm$ 0.036 χ^2/NDF : 1238601.8/18

Left In: 120.712 $\pm$ 0.034 χ^2/NDF : 375394.6/10

149.347 $\pm$ 0.026 χ^2/NDF : 1590374.1/29

136.114 $\pm$ 0.025 χ^2/NDF : 2053802.9/29

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -0.239 ± 8.646 χ^2/NDF : 15.1/17

Left Out: -0.822 ± 10.497 χ^2/NDF : 4.9/11

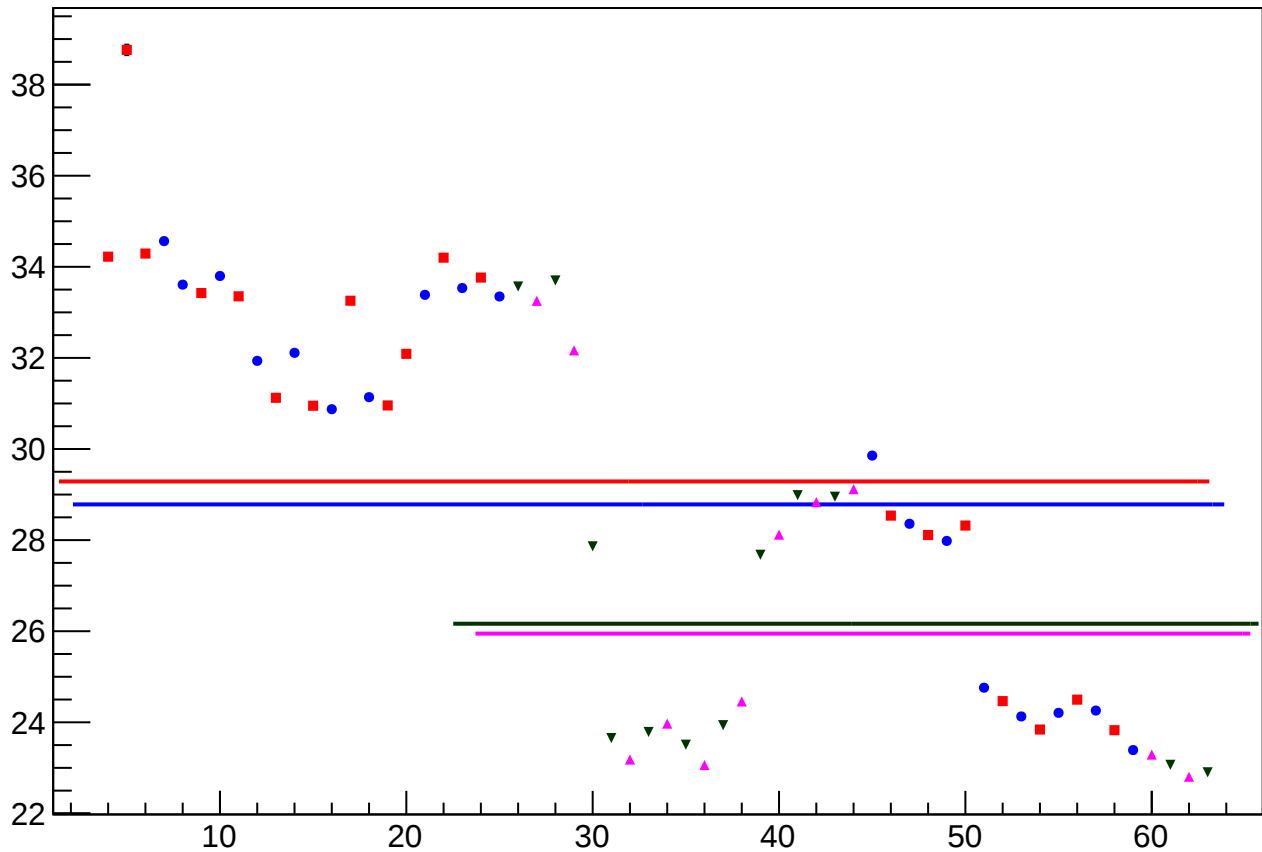
-0.474 ± 6.674 χ^2/NDF : 20.0/29

Right Out: -11.462 ± 9.405 χ^2/NDF : 14.9/18

-0.748 ± 6.899 χ^2/NDF : 23.5/29

Left In: 11.728 ± 10.150 χ^2/NDF : 5.8/10

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 28.784 $\pm$ 0.006 χ^2/NDF : 418497.9/17

Left Out: 26.164 $\pm$ 0.007 χ^2/NDF : 227818.3/11

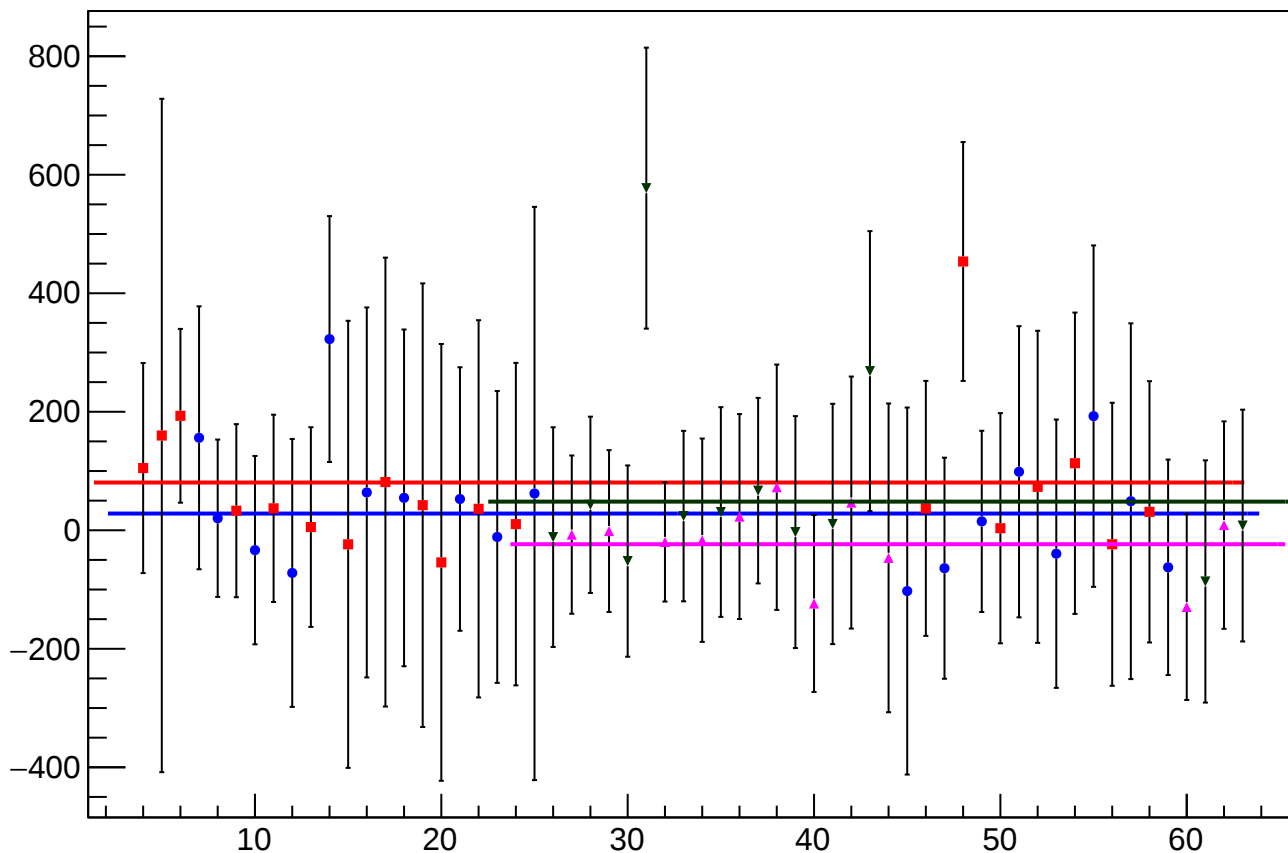
Right Out: 29.288 $\pm$ 0.007 χ^2/NDF : 355757.4/18

Left In: 25.947 $\pm$ 0.007 χ^2/NDF : 258748.9/10

27.725 $\pm$ 0.005 χ^2/NDF : 720529.4/29

27.744 $\pm$ 0.005 χ^2/NDF : 731061.5/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 28.225+/-50.353 χ^2/NDF : 3.9/17

Left Out: 48.351+/-51.992 χ^2/NDF : 7.0/11

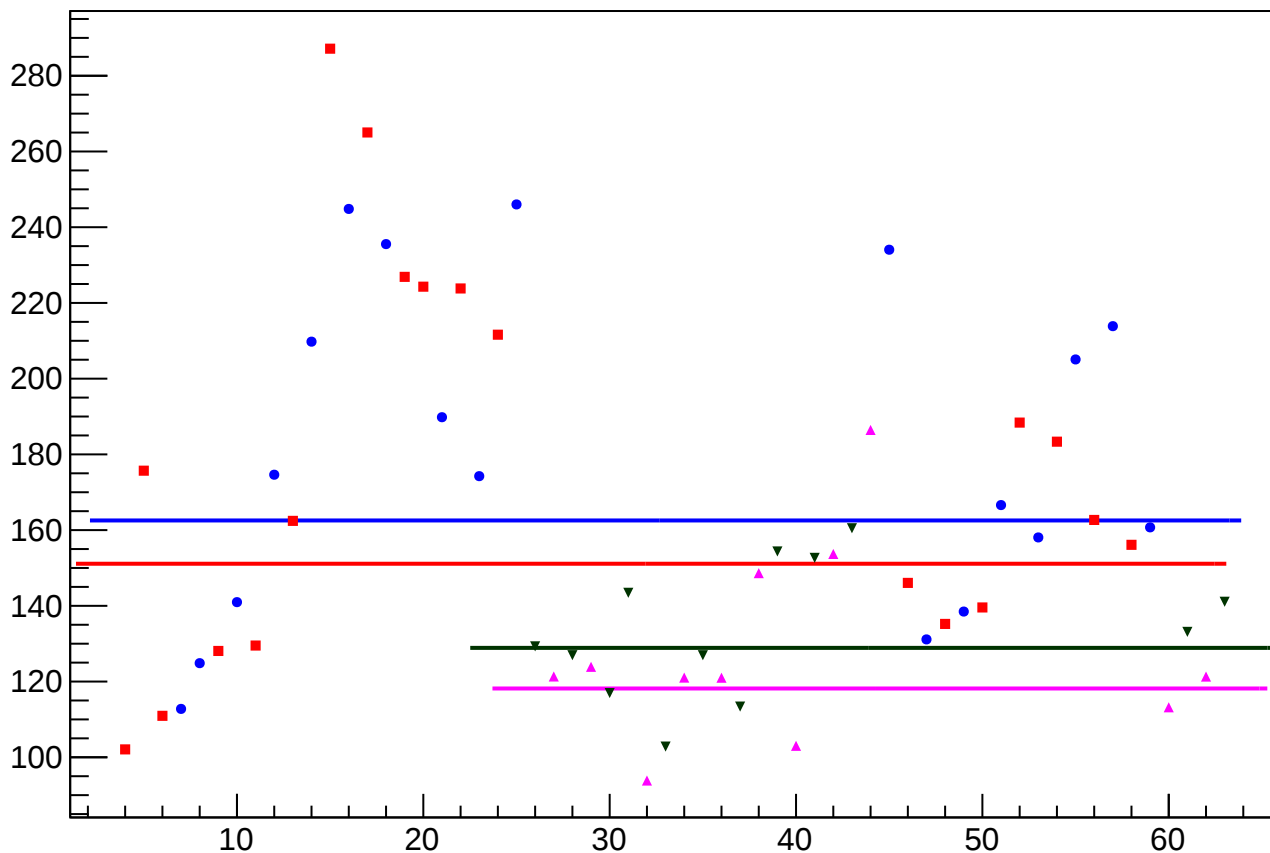
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -23.545+/-46.924 χ^2/NDF : 1.4/10

37.966+/-36.170 χ^2/NDF : 11.0/29

24.981+/-34.293 χ^2/NDF : 8.9/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 162.548+/-0.036 χ^2/NDF : 1089314.8/17

Left Out: 128.896+/-0.037 χ^2/NDF : 210056.5/11

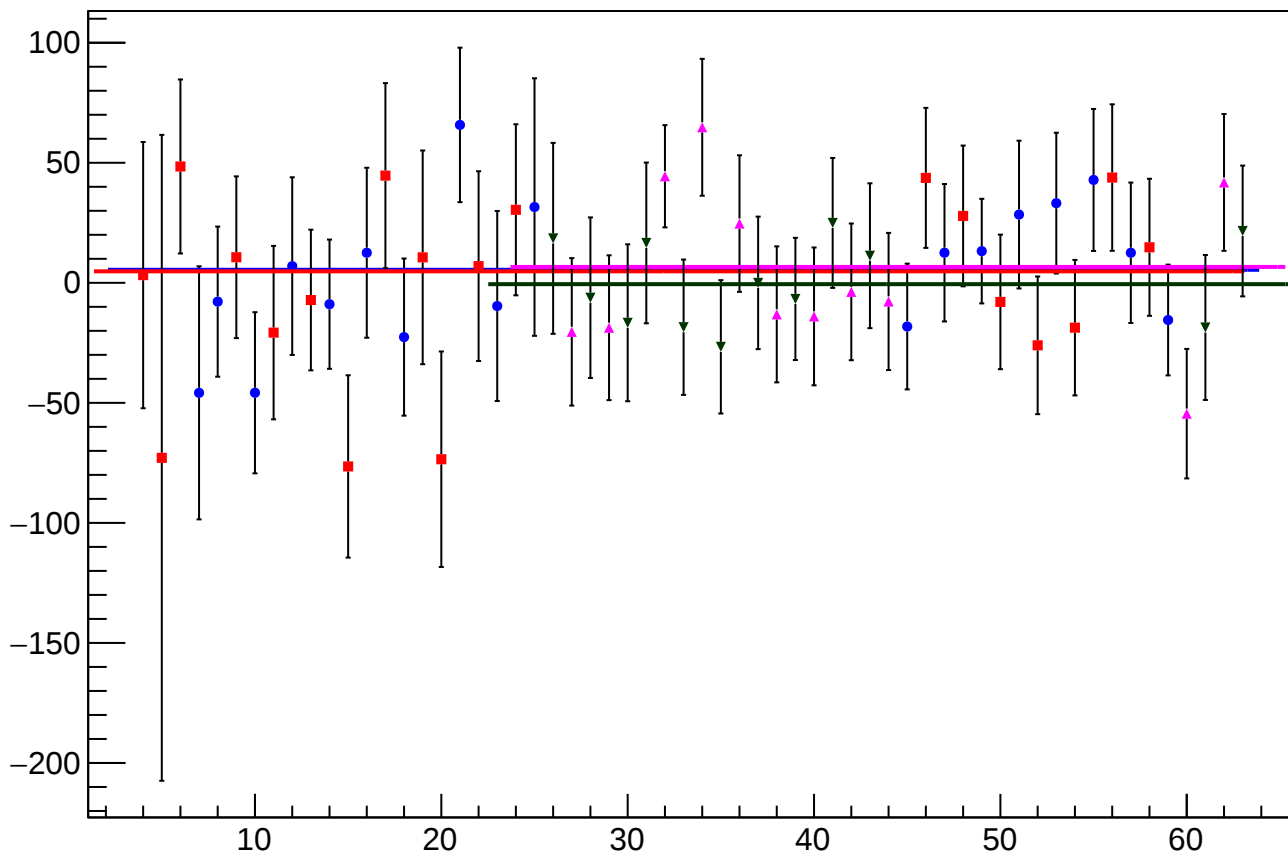
146.261+/-0.026 χ^2/NDF : 1731738.5/29

Right Out: 151.117+/-0.036 χ^2/NDF : 1306443.7/18

133.519+/-0.024 χ^2/NDF : 2148115.1/29

Left In: 118.169+/-0.033 χ^2/NDF : 382267.0/10

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 5.427 ± 7.205 χ^2/NDF : 13.4/17

Left Out: -0.562 ± 8.551 χ^2/NDF : 4.2/11

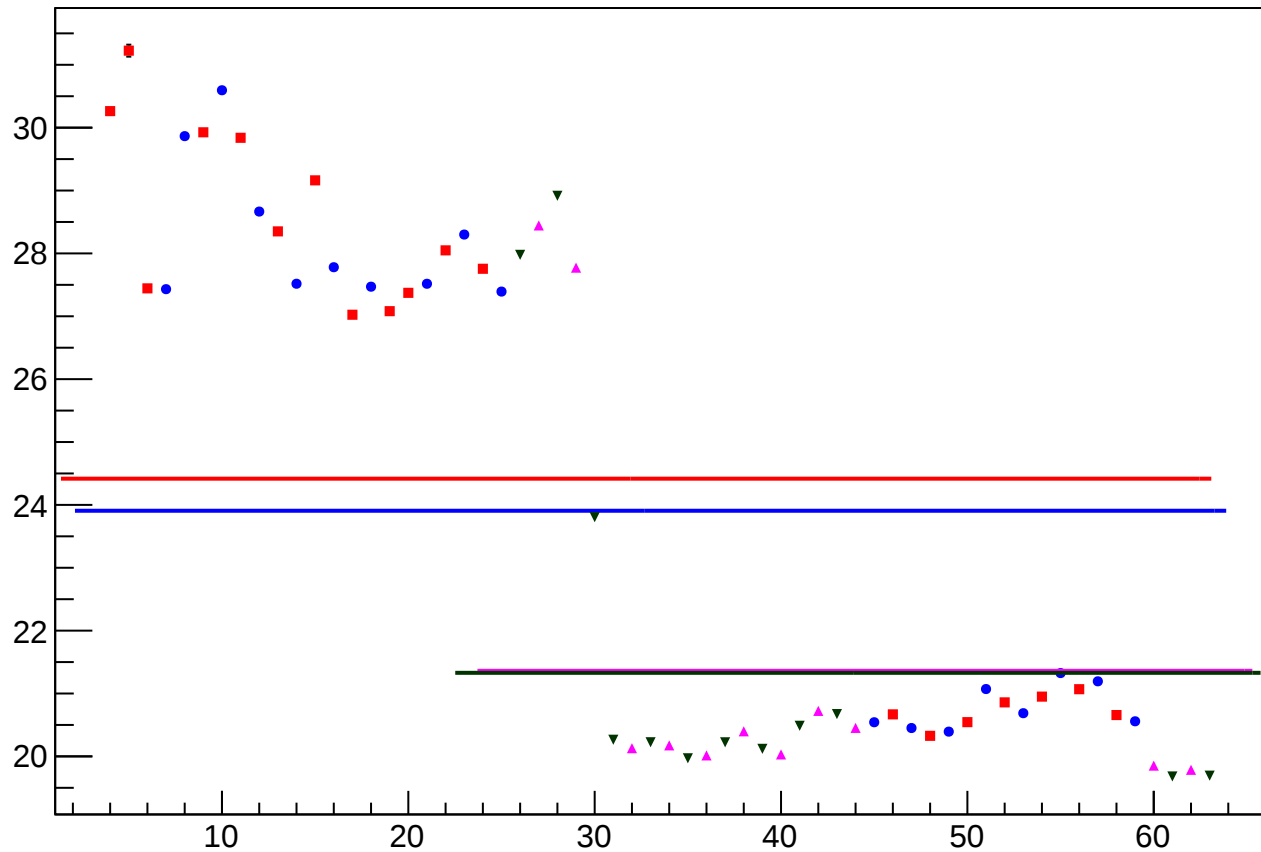
Right Out: 4.784 ± 7.872 χ^2/NDF : 17.9/18

Left In: 6.617 ± 8.346 χ^2/NDF : 17.2/10

2.940 ± 5.510 χ^2/NDF : 17.8/29

5.647 ± 5.727 χ^2/NDF : 35.2/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.907+/-0.005 χ^2/NDF : 565903.0/17

Left Out: 21.329+/-0.006 χ^2/NDF : 203998.2/11

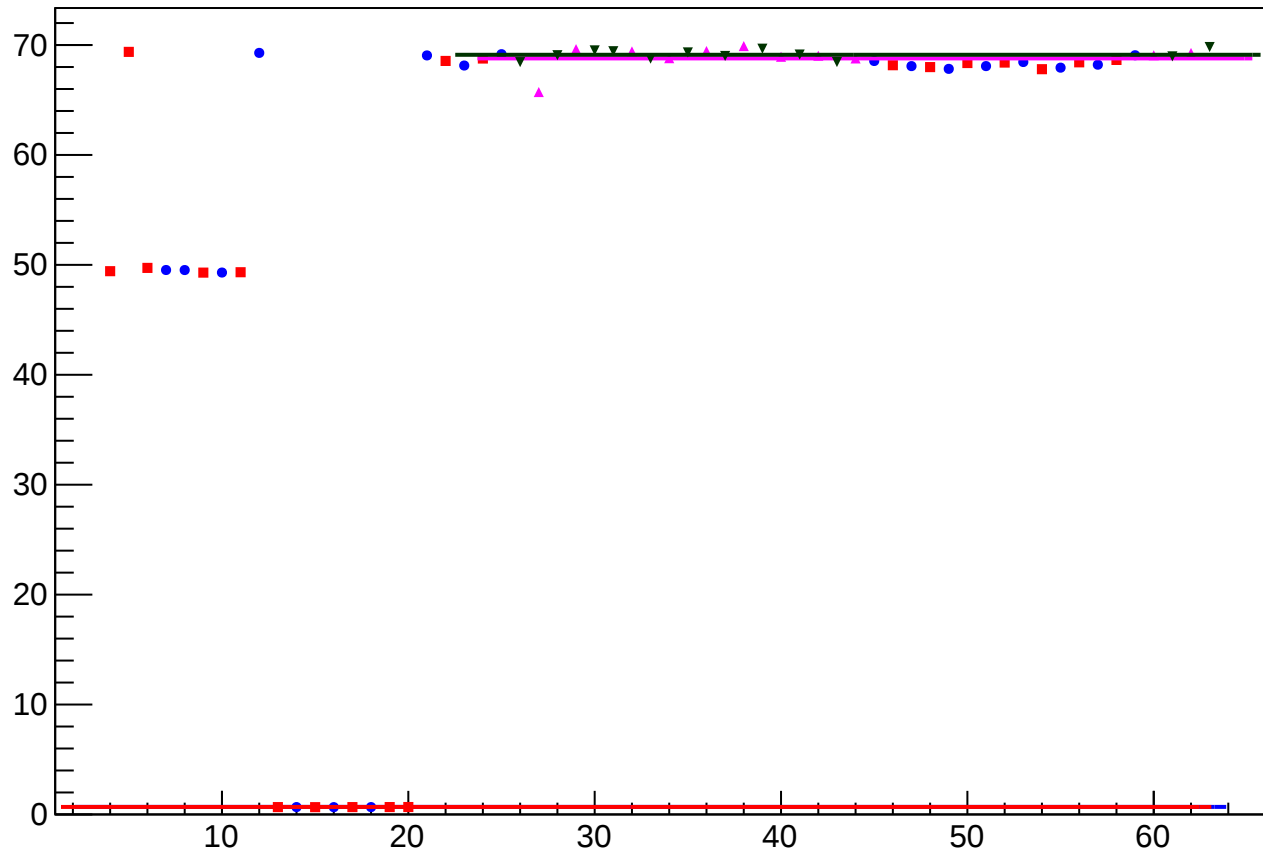
Right Out: 24.417+/-0.006 χ^2/NDF : 496476.9/18

Left In: 21.361+/-0.006 χ^2/NDF : 233376.4/10

22.837+/-0.004 χ^2/NDF : 876203.9/29

22.978+/-0.004 χ^2/NDF : 871798.5/29

yield_bcm_an_ds_mean vs slug



Right In: 0.688+/-0.000 χ^2/NDF : 1036988220984.6/17

Left Out: 69.112+/-0.000 χ^2/NDF : 29081586.4/11

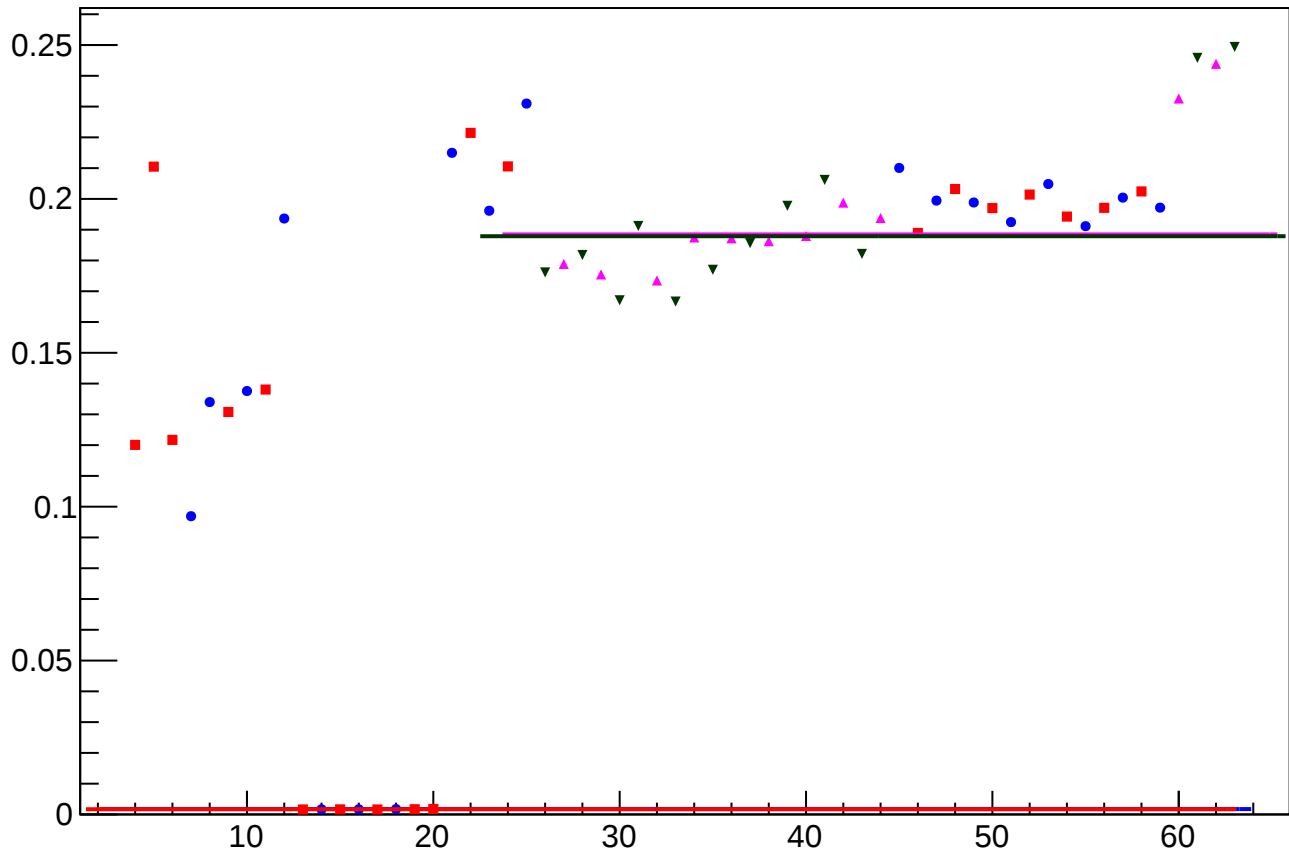
Right Out: 0.684+/-0.000 χ^2/NDF : 845851789818.6/18

Left In: 68.782+/-0.000 χ^2/NDF : 297644605.2/10

0.702+/-0.000 χ^2/NDF : 1838054958396.2/29

0.696+/-0.000 χ^2/NDF : 1679949494217.9/29

yield_bcm_an_ds_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 16897571.8/17

Left Out: 0.188 $\pm$ 0.000 χ^2 /NDF:164139.9/11

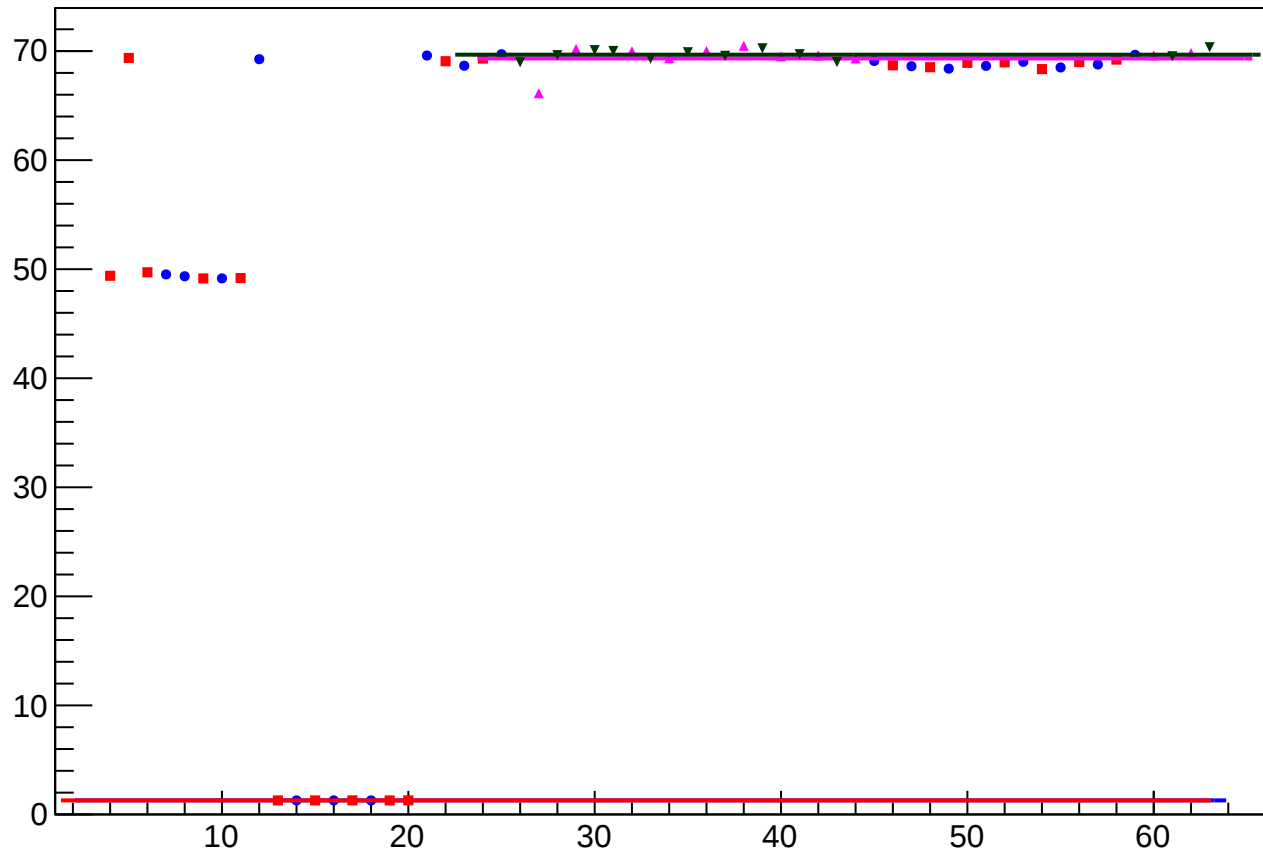
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 13510450.3/18

Left In: 0.188 $\pm$ 0.000 χ^2 /NDF:118030.4/10

0.002 $\pm$ 0.000 χ^2 /NDF: 28916593.6/29

0.002 $\pm$ 0.000 χ^2 /NDF: 26172688.8/29

yield_bcm_an_ds3_mean vs slug



Right In: 1.291+/-0.000 χ^2/NDF : 1010041068715.0/17

Left Out: 69.670+/-0.000 χ^2/NDF : 29563886.7/11

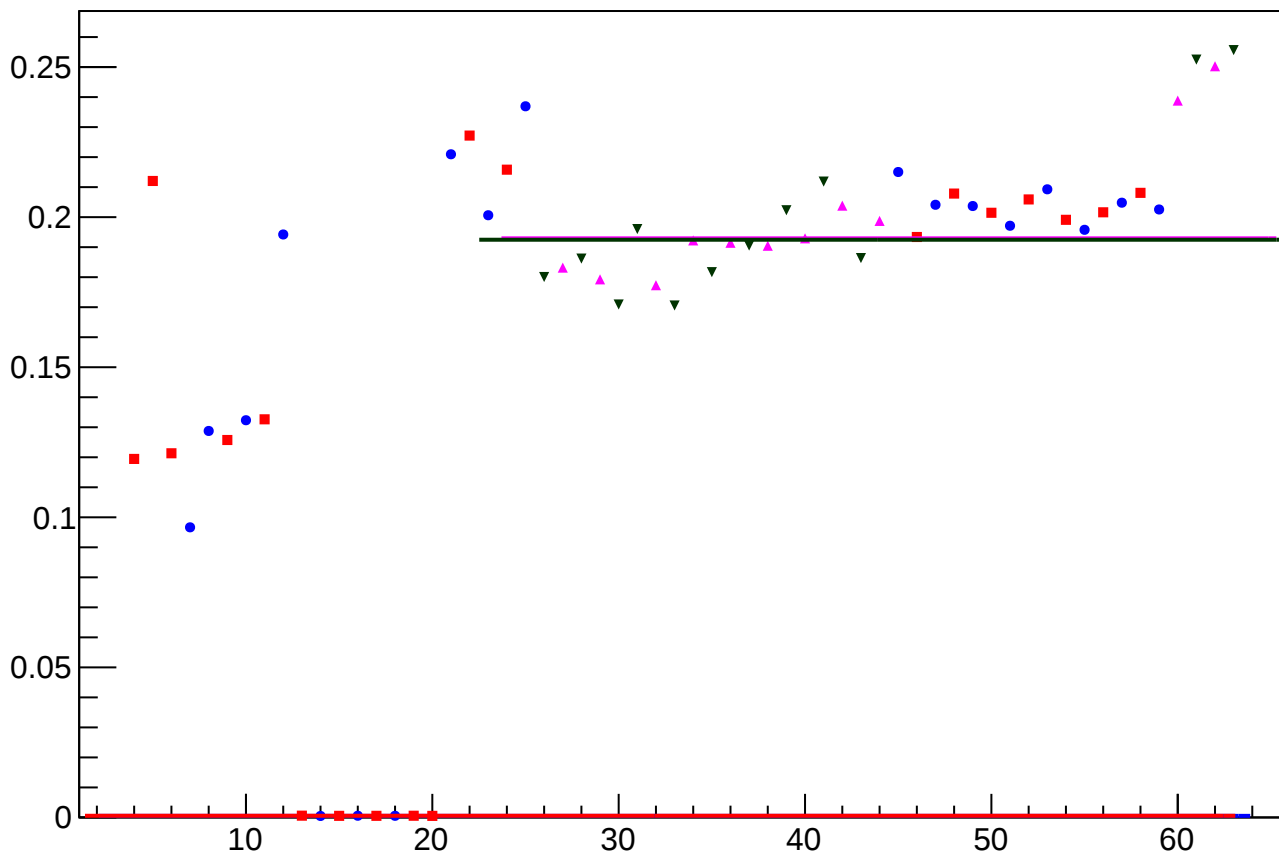
1.292+/-0.000 χ^2/NDF : 1772167743406.7/29

Right Out: 1.290+/-0.000 χ^2/NDF : 826763948171.6/18

1.292+/-0.000 χ^2/NDF : 1620909285608.4/29

Left In: 69.325+/-0.000 χ^2/NDF : 307521941.8/10

yield_bcm_an_ds3_rms vs slug



Right In: 0.001+/-0.000 χ^2/NDF : 17142253.8/17

Left Out: 0.192+/-0.000 χ^2/NDF :166287.3/11

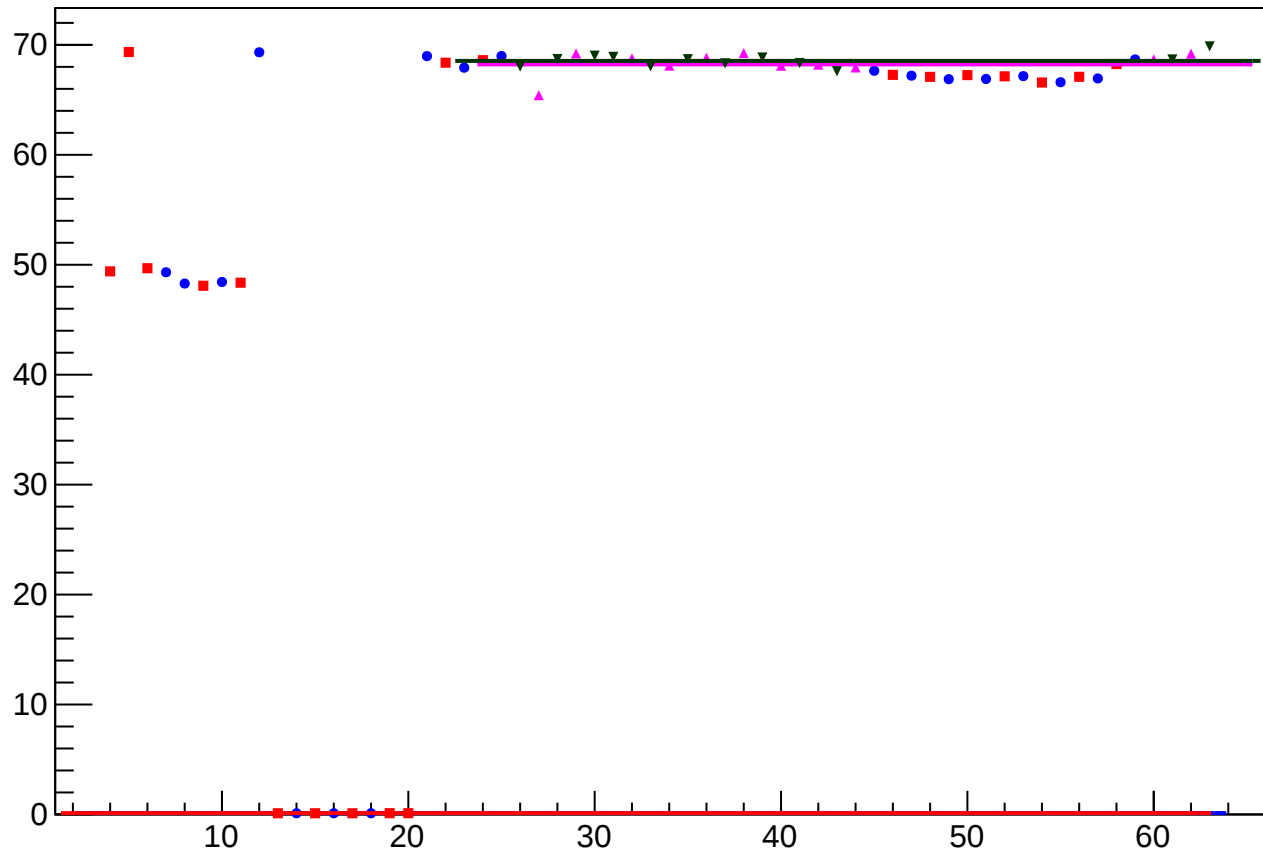
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

Left In: 0.193+/-0.000 χ^2/NDF :121028.1/10

0.001+/-0.000 χ^2/NDF : 29318649.9/29

0.001+/-0.000 χ^2/NDF : 26513299.7/29

yield_bcm_an_us_mean vs slug



Right In: 0.126+/-0.000 χ^2/NDF : 1070197088852.4/17

Left Out: 68.543+/-0.000 χ^2/NDF : 44883717.6/11

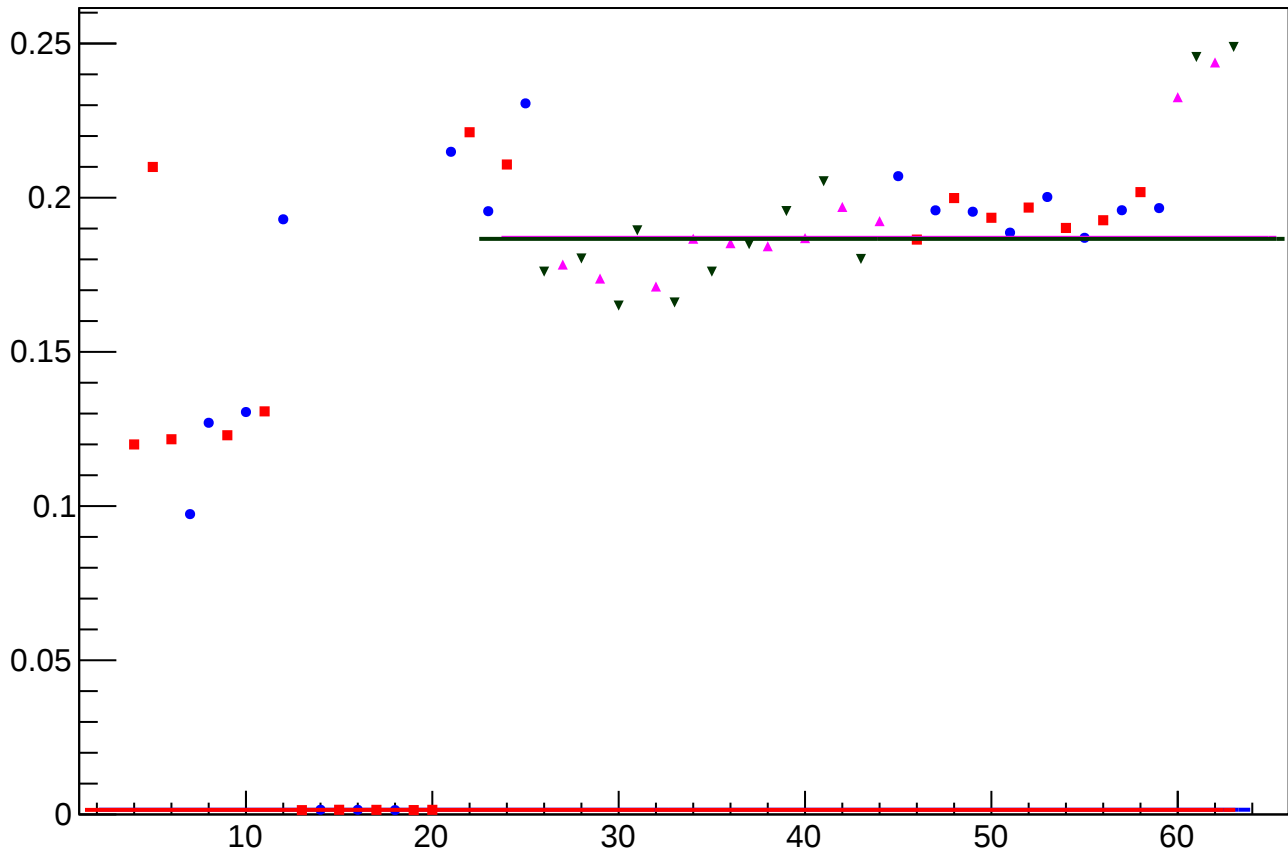
Right Out: 0.122+/-0.000 χ^2/NDF : 876428994690.6/18

Left In: 68.223+/-0.000 χ^2/NDF : 268909829.6/10

0.138+/-0.000 χ^2/NDF : 1880219220768.6/29

0.131+/-0.000 χ^2/NDF : 1723107141123.4/29

yield_bcm_an_us_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 16922209.8/17

Left Out: 0.187 $\pm$ 0.000 χ^2 /NDF:167909.3/11

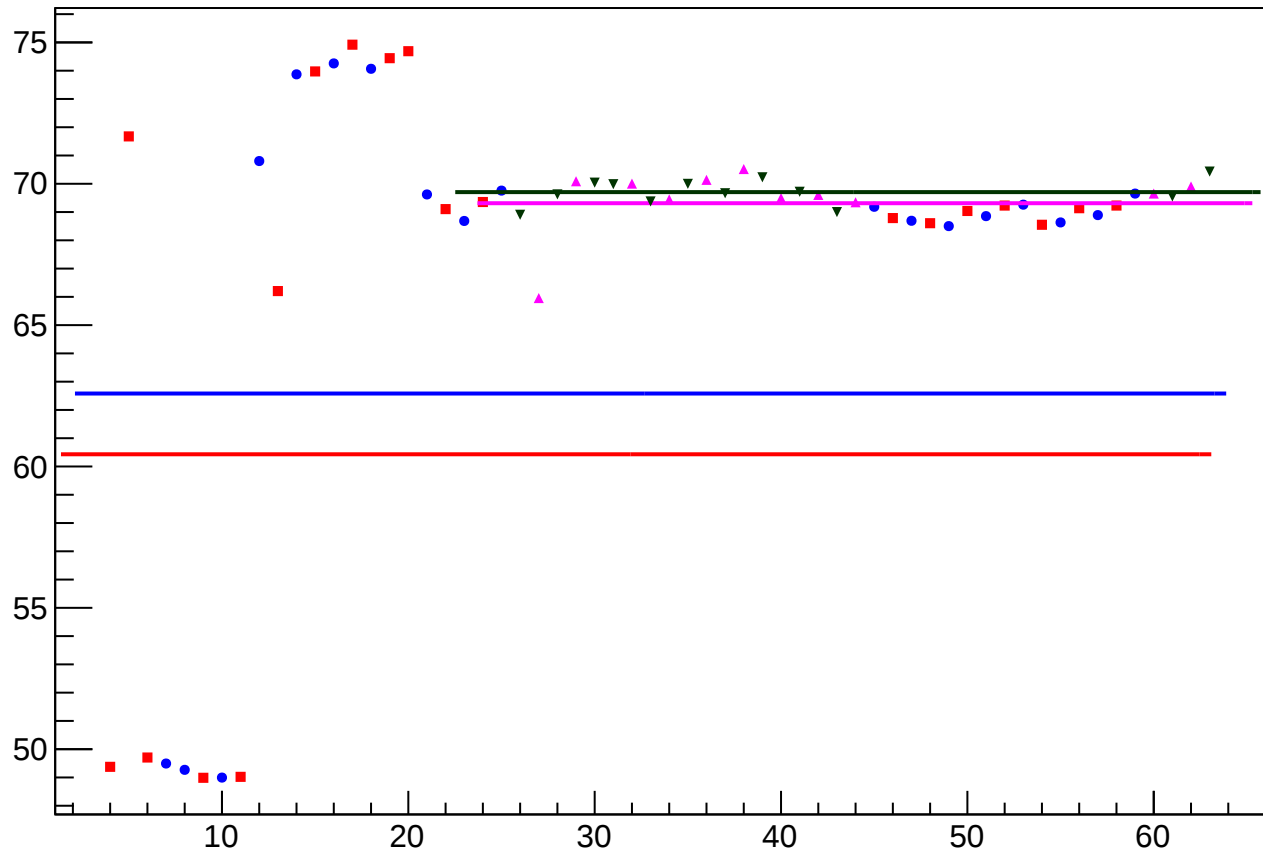
Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 13535654.6/18

Left In: 0.187 $\pm$ 0.000 χ^2 /NDF:124658.4/10

0.002 $\pm$ 0.000 χ^2 /NDF: 28949921.5/29

0.002 $\pm$ 0.000 χ^2 /NDF: 26222040.8/29

yield_bcm_dg_us_mean vs slug



Right In: 62.581 ± 0.000 χ^2/NDF : 33681231971.4/17

Left Out: 69.705 ± 0.000 χ^2/NDF : 29107213.9/11

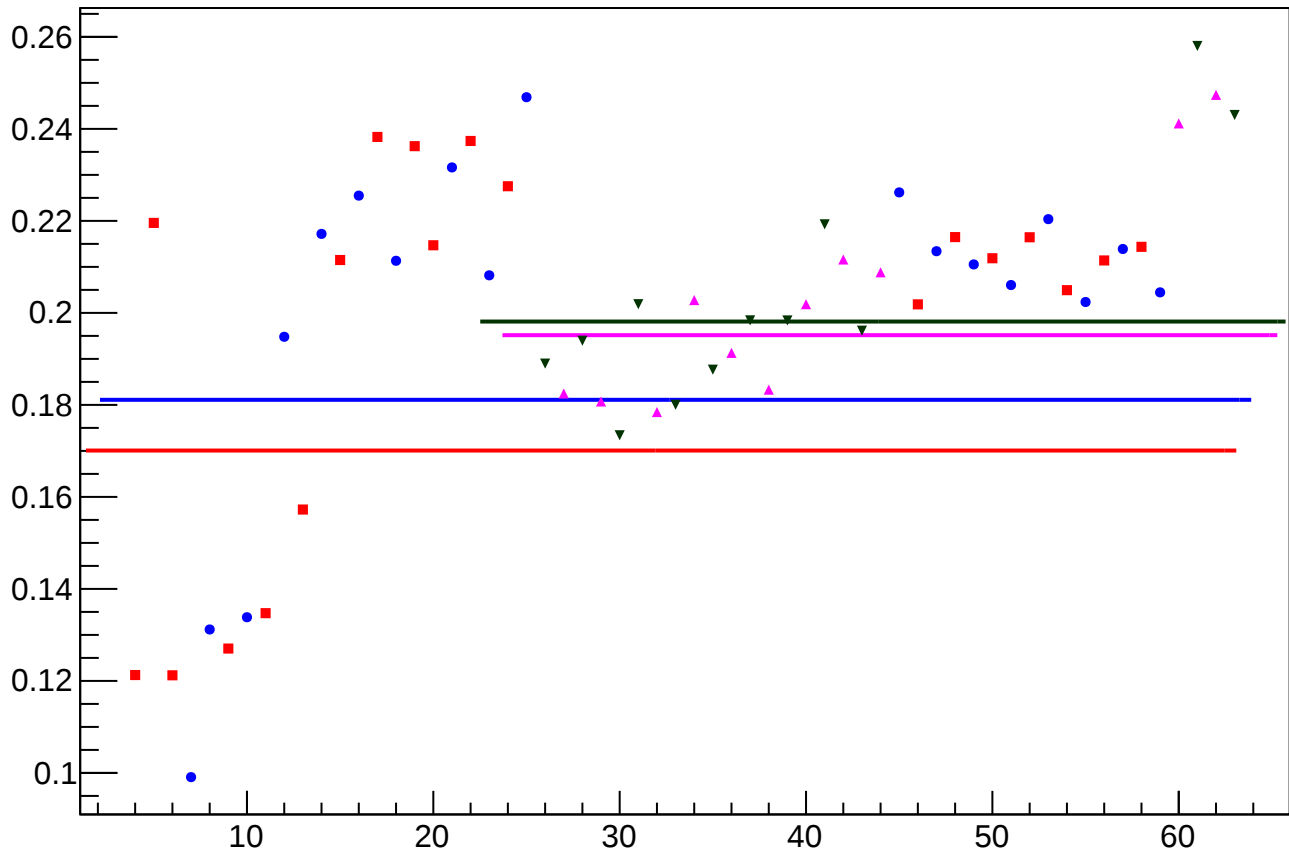
64.930 ± 0.000 χ^2/NDF : 38963279310.3/29

Right Out: 60.432 ± 0.000 χ^2/NDF : 32977972131.8/18

63.567 ± 0.000 χ^2/NDF : 41846590388.0/29

Left In: 69.313 ± 0.000 χ^2/NDF : 338301720.5/10

yield_bcm_dg_us_rms vs slug



Right In: 0.181+/-0.000 χ^2/NDF : 1216212.6/17

Left Out: 0.198+/-0.000 χ^2/NDF :128111.6/11

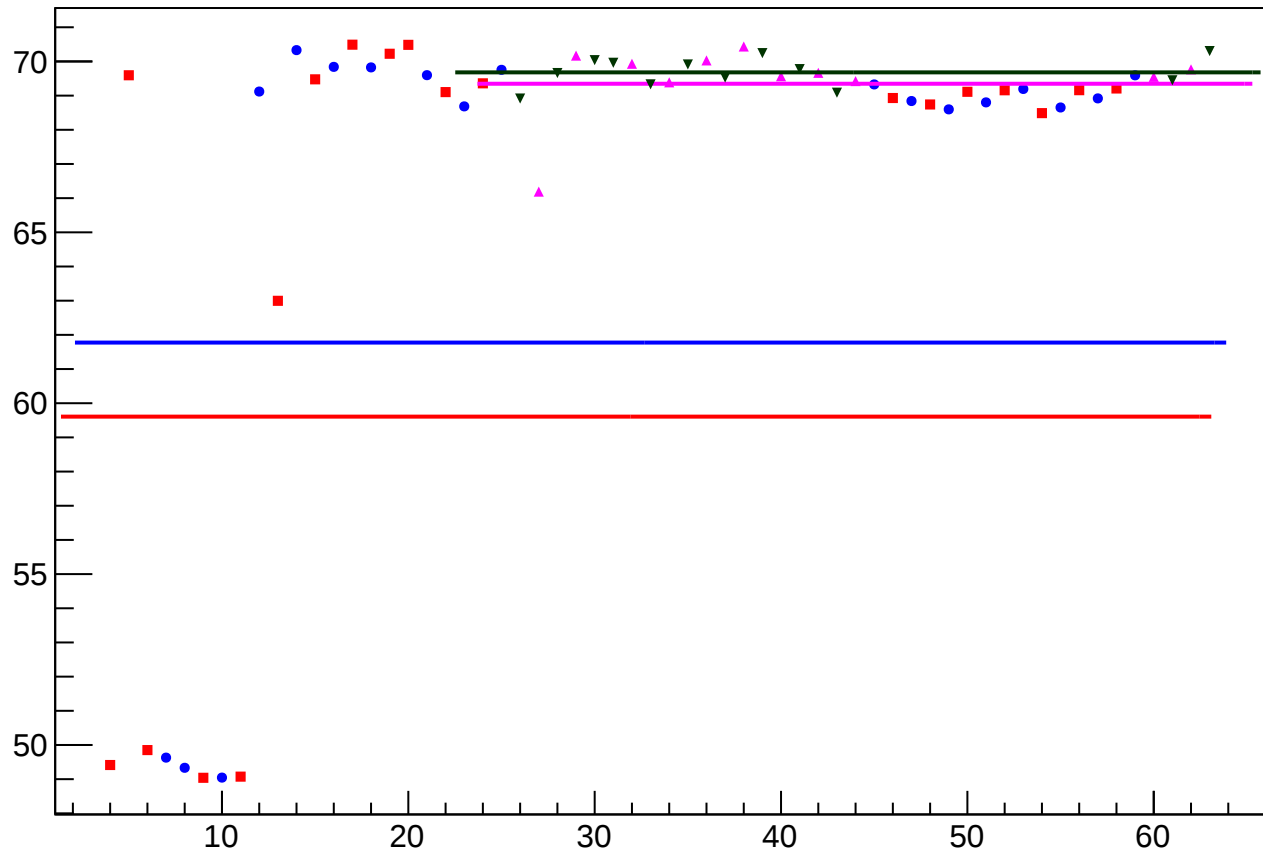
Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

Left In: 0.195+/-0.000 χ^2/NDF :132144.4/10

0.187+/-0.000 χ^2/NDF : 1404237.4/29

0.179+/-0.000 χ^2/NDF : 1451809.2/29

yield_bcm_dg_ds_mean vs slug



Right In: 61.774 $\pm$ 0.000 χ^2 /NDF: 30968593880.6/17

Left Out: 69.680 $\pm$ 0.000 χ^2 /NDF: 27529617.2/11

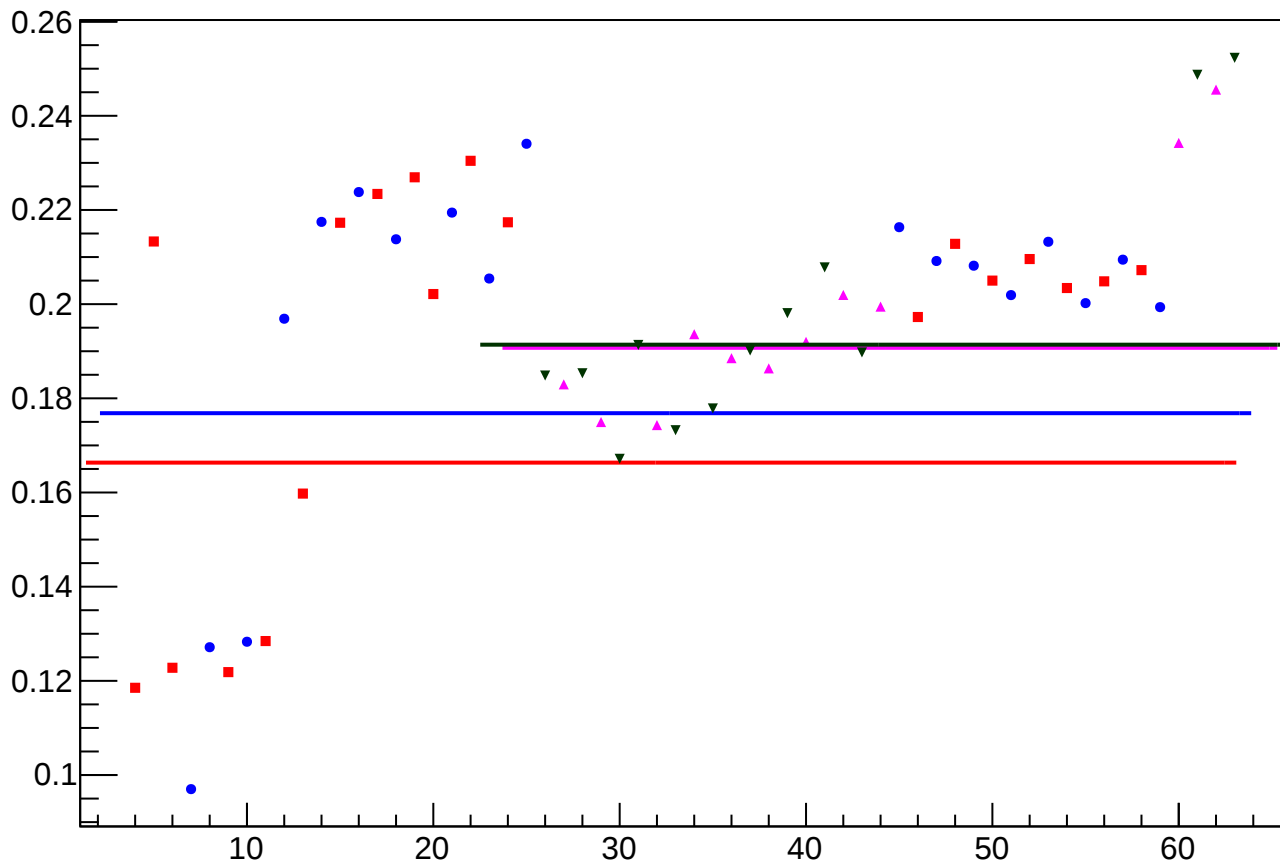
Right Out: 59.608 $\pm$ 0.000 χ^2 /NDF: 29547406430.8/18

Left In: 69.347 $\pm$ 0.000 χ^2 /NDF: 297081329.0/10

64.419 $\pm$ 0.000 χ^2 /NDF: 37867167788.5/29

63.053 $\pm$ 0.000 χ^2 /NDF: 40600663915.8/29

yield_bcm_dg_ds_rms vs slug



Right In: 0.177+/-0.000 χ^2/NDF : 1276663.3/17

Left Out: 0.191+/-0.000 χ^2/NDF :154296.0/11

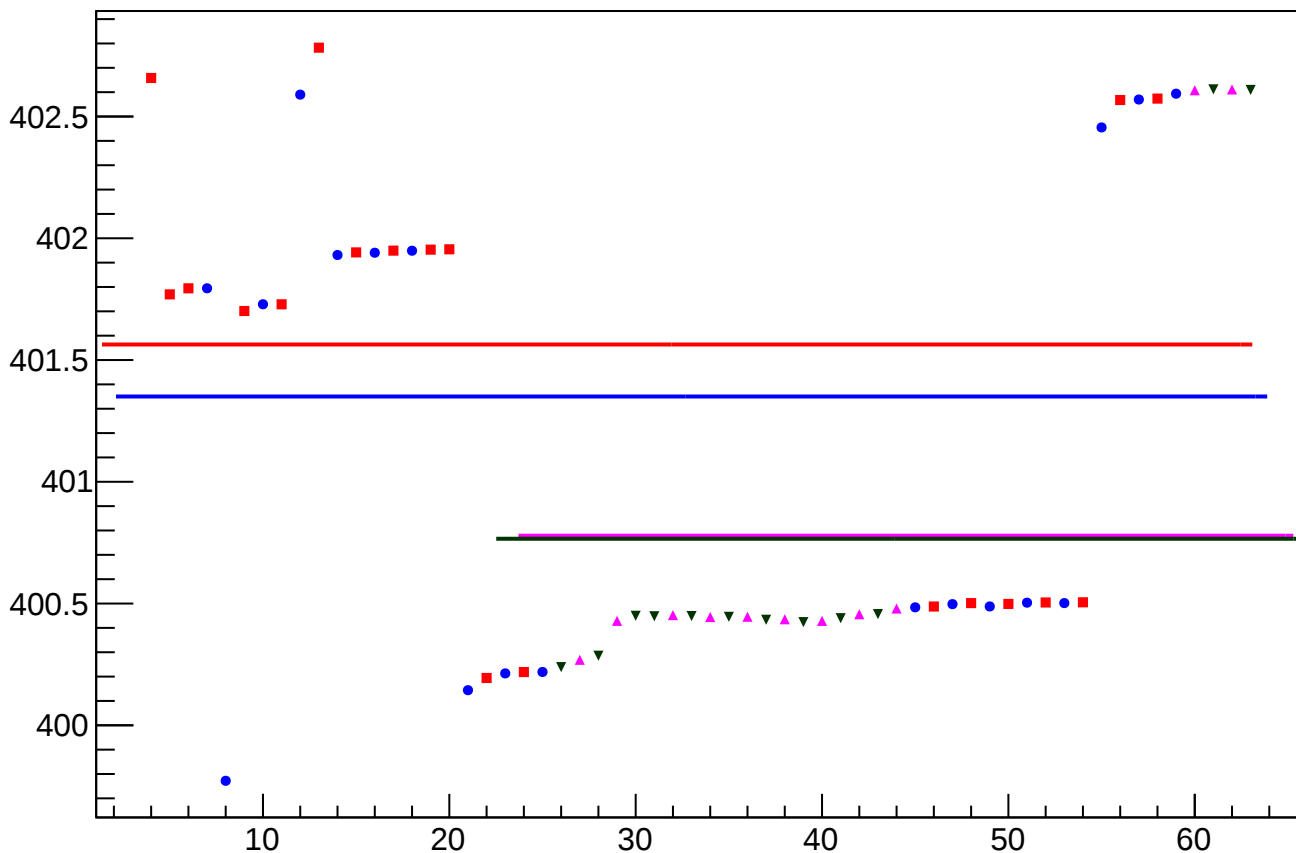
Right Out: 0.166+/-0.000 χ^2/NDF : 1156468.8/18

Left In: 0.191+/-0.000 χ^2/NDF :121886.5/10

0.182+/-0.000 χ^2/NDF : 1477486.2/29

0.175+/-0.000 χ^2/NDF : 1413198.5/29

yield_cav4bQ_mean vs slug



Right In: 401.350 ± 0.000 χ^2/NDF : 235093599906.3/17

Left Out: 400.766 ± 0.000 χ^2/NDF : 92993754248.6/11

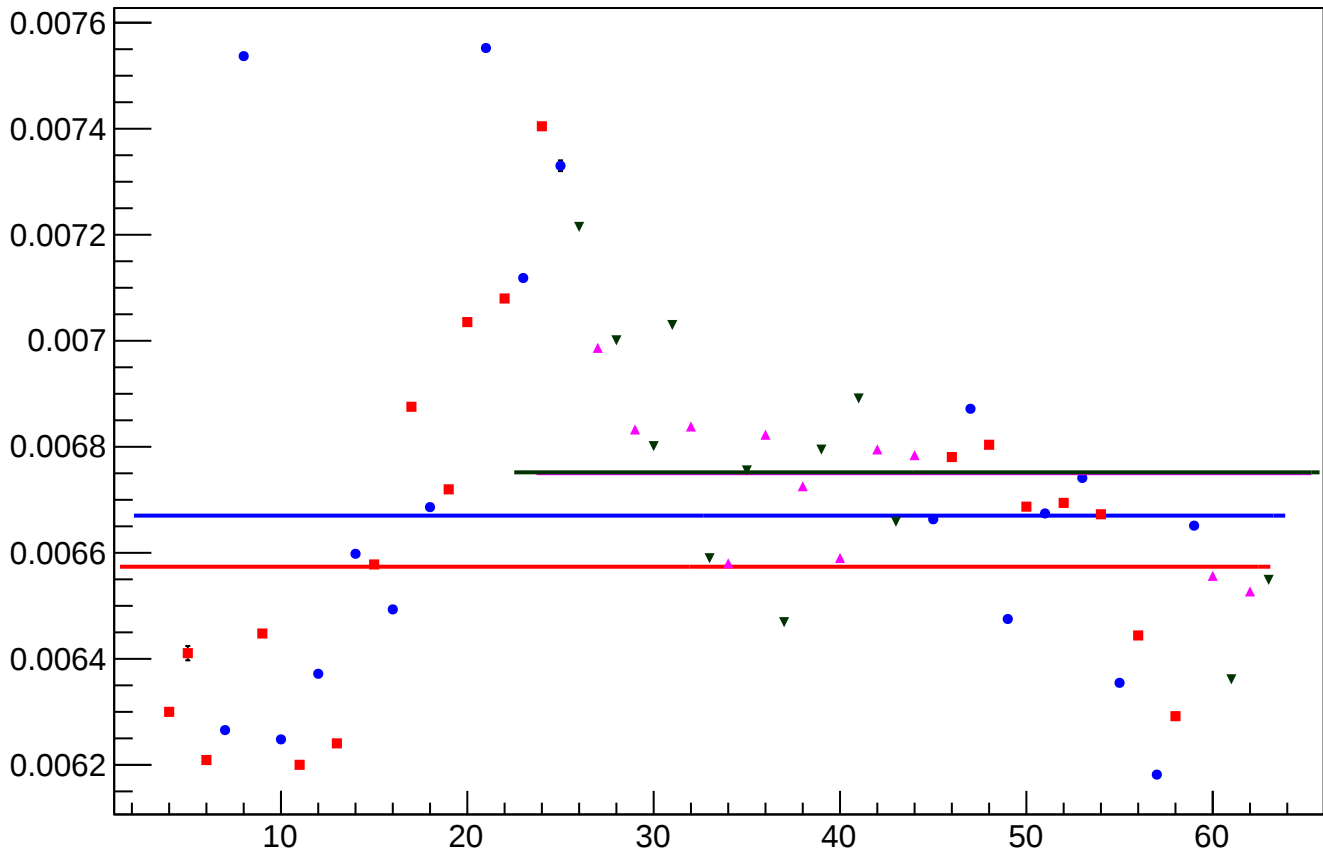
Right Out: 401.564 ± 0.000 χ^2/NDF : 183973928948.5/18

Left In: 400.779 ± 0.000 χ^2/NDF : 96412605306.3/10

401.143 ± 0.000 χ^2/NDF : 358618066728.5/29

401.259 ± 0.000 χ^2/NDF : 335578087375.6/29

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 76682.3/17

Left Out: 0.007+/-0.000 χ^2/NDF :14739.0/11

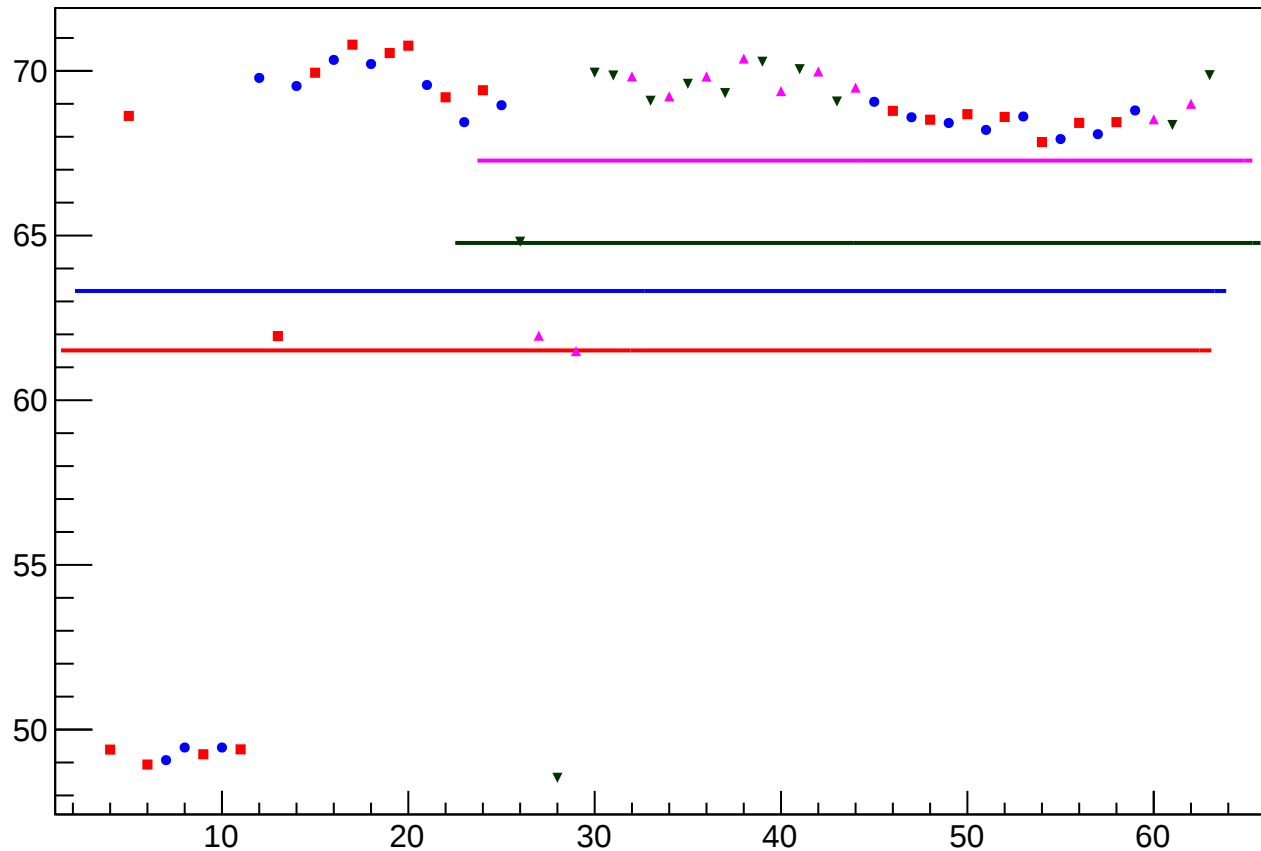
Right Out: 0.007+/-0.000 χ^2/NDF : 47681.9/18

Left In: 0.007+/-0.000 χ^2/NDF :6018.1/10

0.007+/-0.000 χ^2/NDF : 92613.9/29

0.007+/-0.000 χ^2/NDF : 59268.3/29

yield_cav4cQ_mean vs slug



Right In: 63.318 ± 0.000 χ^2/NDF : 17047377048.9/17

Left Out: 64.776 ± 0.000 χ^2/NDF : 8879112259.8/11

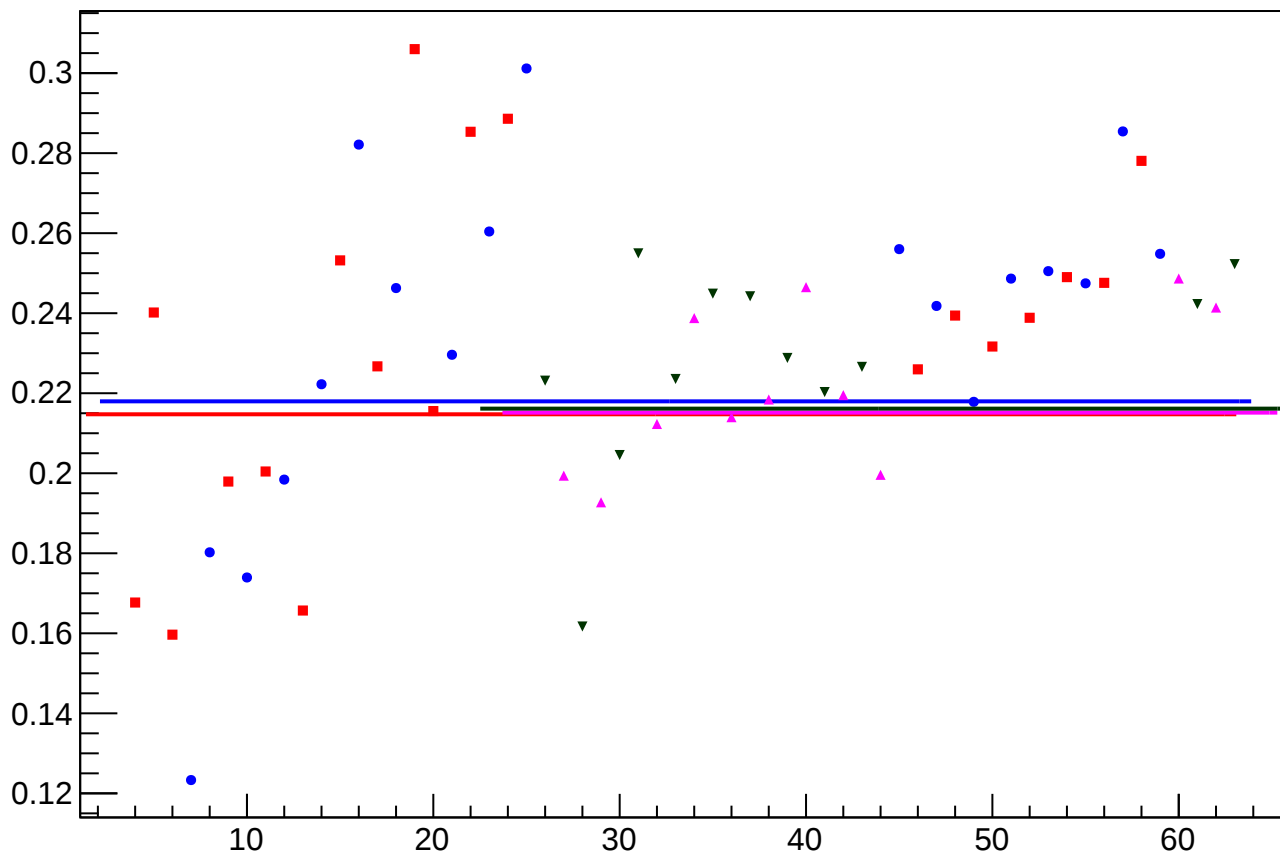
Right Out: 61.513 ± 0.000 χ^2/NDF : 15349624825.1/18

Left In: 67.277 ± 0.000 χ^2/NDF : 1696013979.2/10

63.851 ± 0.000 χ^2/NDF : 26090935219.8/29

63.890 ± 0.000 χ^2/NDF : 19598024220.5/29

yield_cav4cQ_rms vs slug



Right In: 0.218 $\pm$ 0.000 χ^2 /NDF: 734629.1/17

Left Out: 0.216 $\pm$ 0.000 χ^2 /NDF: 236816.5/11

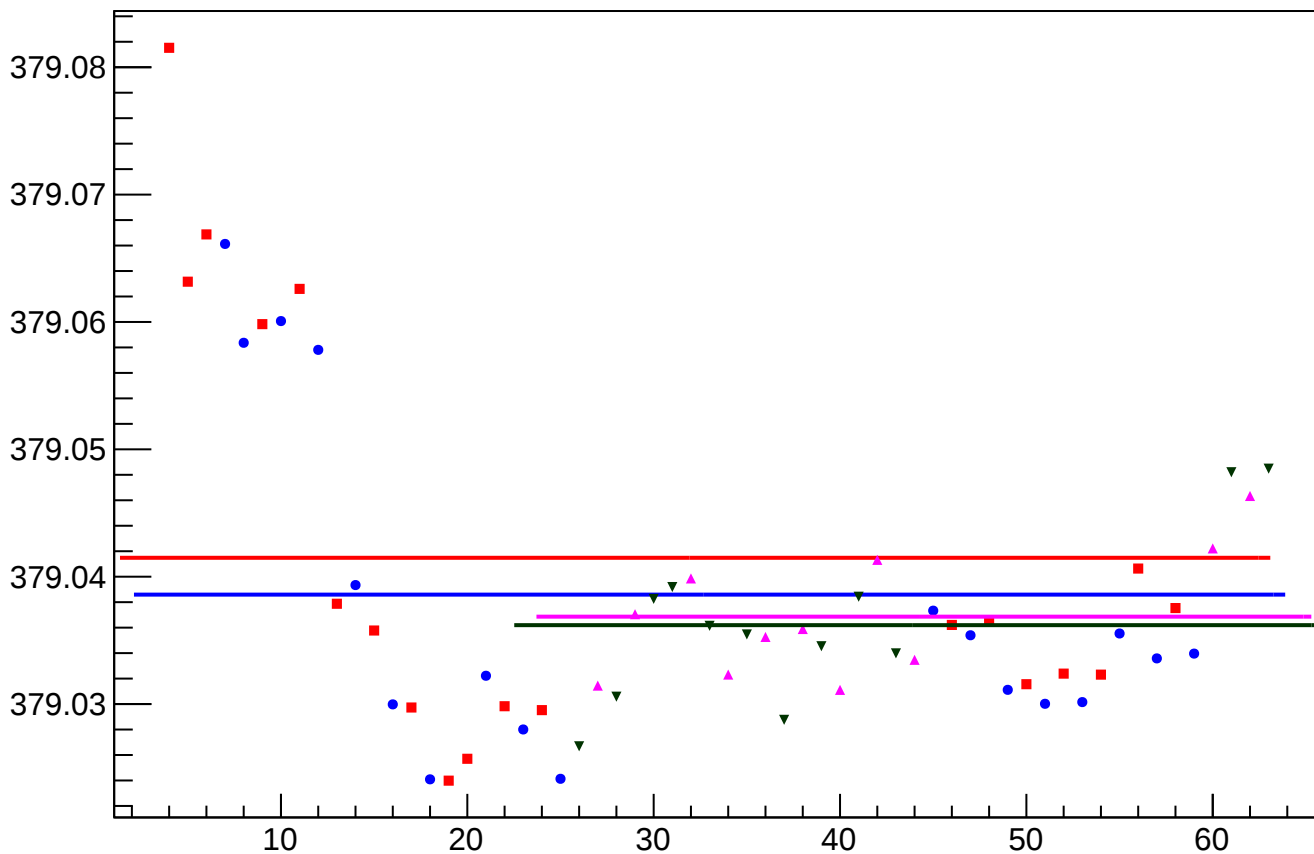
Right Out: 0.215 $\pm$ 0.000 χ^2 /NDF: 631176.3/18

Left In: 0.215 $\pm$ 0.000 χ^2 /NDF: 89356.1/10

0.217 $\pm$ 0.000 χ^2 /NDF: 971960.2/29

0.215 $\pm$ 0.000 χ^2 /NDF: 720558.8/29

yield_cav4dQ_mean vs slug



Right In: 379.039 ± 0.000 χ^2/NDF : 33775812.8/17

Left Out: 379.036 ± 0.000 χ^2/NDF : 5306954.0/11

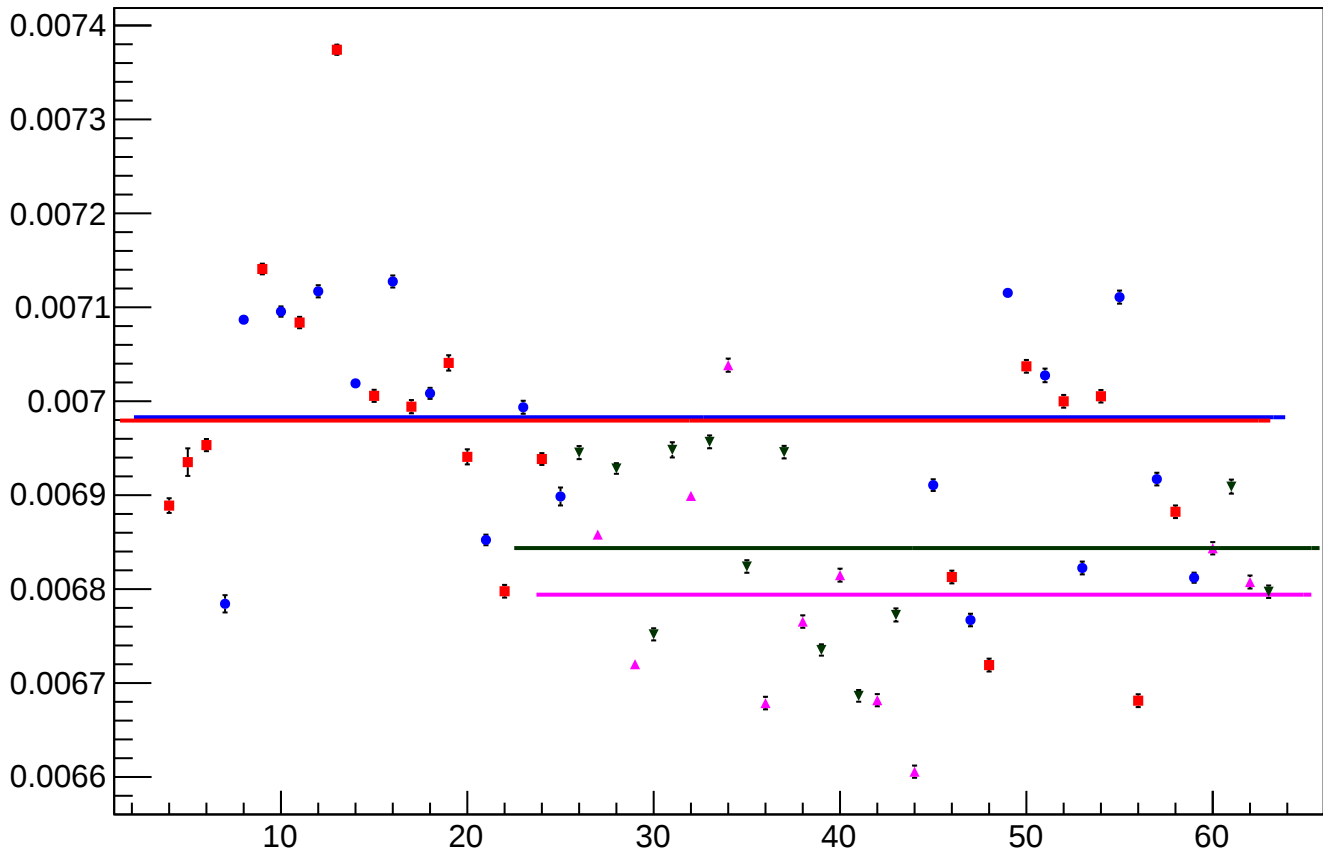
Right Out: 379.041 ± 0.000 χ^2/NDF : 46280794.1/18

Left In: 379.037 ± 0.000 χ^2/NDF : 2937852.3/10

379.038 ± 0.000 χ^2/NDF : 39574016.8/29

379.040 ± 0.000 χ^2/NDF : 51031786.1/29

yield_cav4dQ_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 6696.3/17

Left Out: 0.007 ± 0.000 χ^2/NDF : 2504.6/11

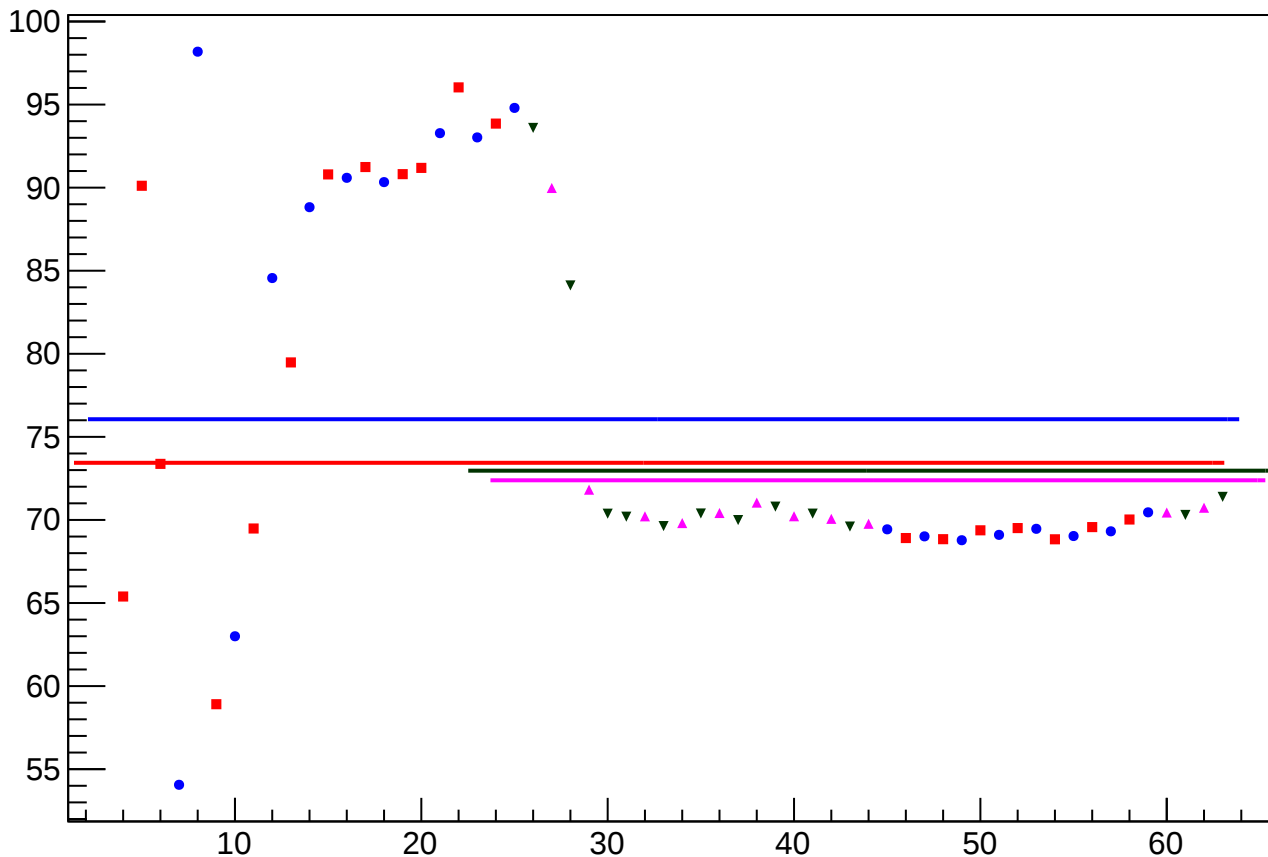
Right Out: 0.007 ± 0.000 χ^2/NDF : 11747.2/18

Left In: 0.007 ± 0.000 χ^2/NDF : 3497.8/10

0.007 ± 0.000 χ^2/NDF : 12515.0/29

0.007 ± 0.000 χ^2/NDF : 21076.6/29

yield_bcm0l02_mean vs slug



Right In: 76.061+/-0.000 χ^2/NDF : 20787602024.2/17

Left Out: 72.965+/-0.000 χ^2/NDF : 3779239238.9/11

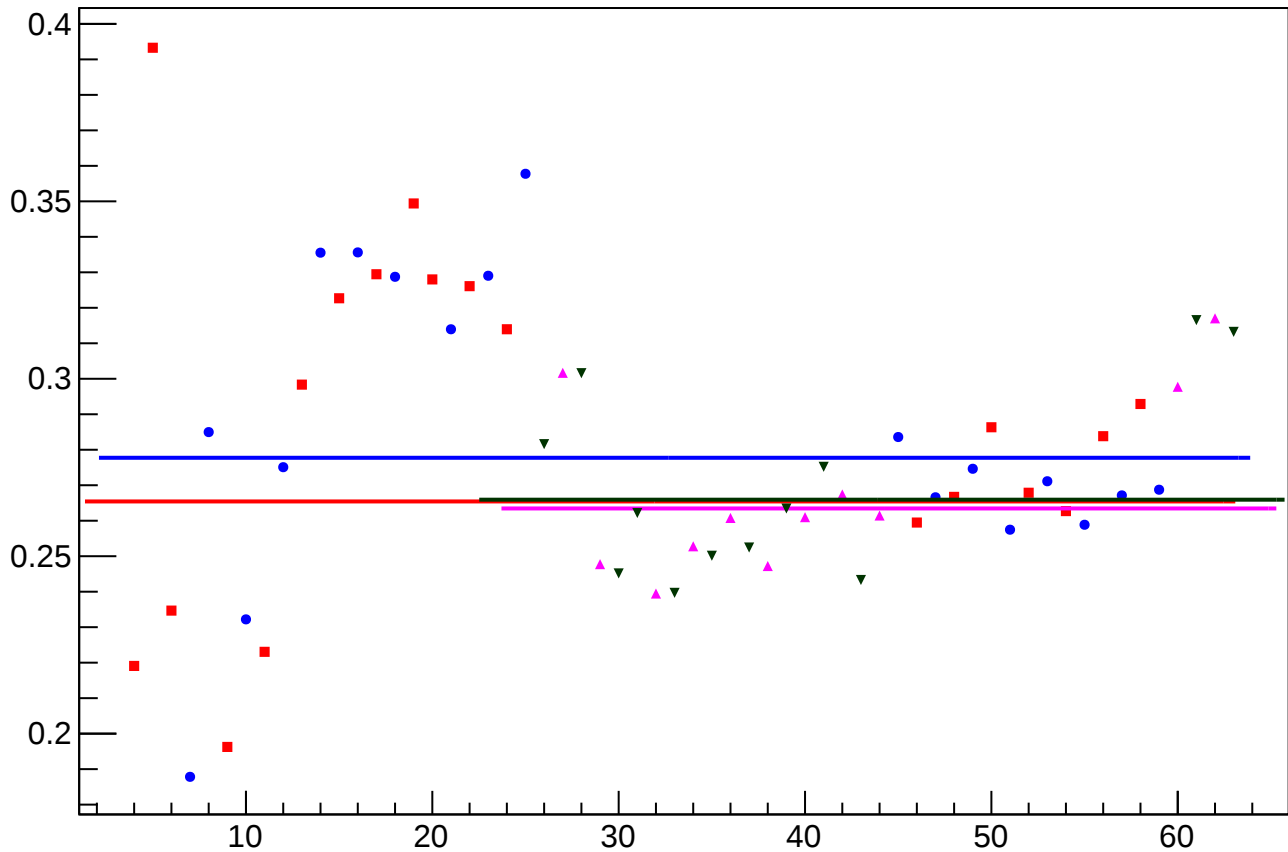
Right Out: 73.439+/-0.000 χ^2/NDF : 14741427319.0/18

Left In: 72.386+/-0.000 χ^2/NDF : 2968389136.9/10

74.874+/-0.000 χ^2/NDF : 25054150896.6/29

72.999+/-0.000 χ^2/NDF : 17767620924.9/29

yield_bcm0l02_rms vs slug



Right In: 0.278 ± 0.000 χ^2/NDF : 370245.0/17

Left Out: 0.266 ± 0.000 χ^2/NDF : 97948.1/11

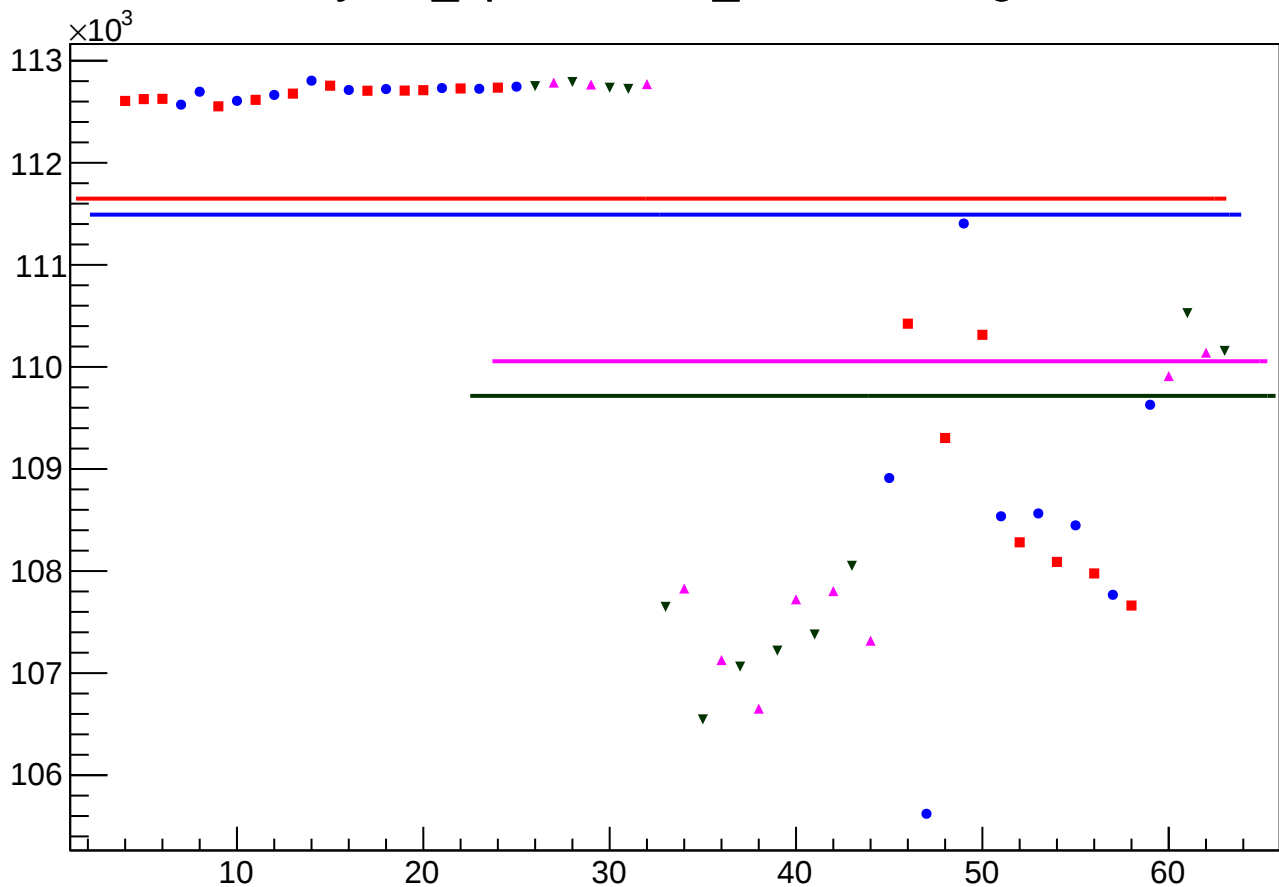
Right Out: 0.265 ± 0.000 χ^2/NDF : 503582.7/18

Left In: 0.263 ± 0.000 χ^2/NDF : 94910.6/10

0.273 ± 0.000 χ^2/NDF : 482378.4/29

0.265 ± 0.000 χ^2/NDF : 598901.4/29

yield_bpm2i01WS_mean vs slug



Right In: 111492.185 $\pm$ 0.035 χ^2 /NDF: 3171680490.6/17

Left Out: 109716.504 $\pm$ 0.050 χ^2 /NDF: 2700088053.1/11

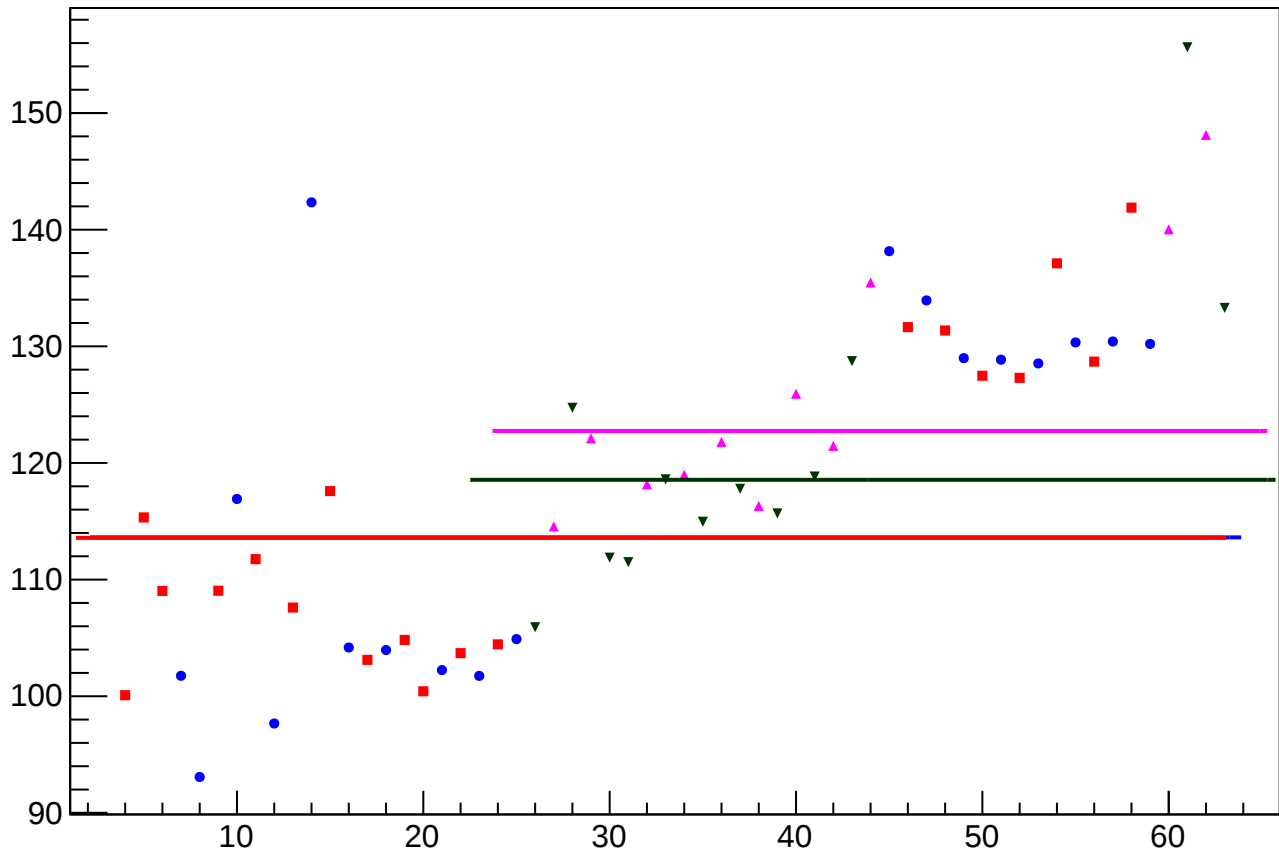
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110055.842 $\pm$ 0.050 χ^2 /NDF: 2590398676.6/10

110912.822 $\pm$ 0.029 χ^2 /NDF: 6714346376.5/29

111087.565 $\pm$ 0.030 χ^2 /NDF: 5534038937.4/29

yield_bpm2i01WS_rms vs slug



Right In: 113.620 ± 0.025 χ^2/NDF : 422351.8/17

Left Out: 118.555 ± 0.036 χ^2/NDF : 70041.4/11

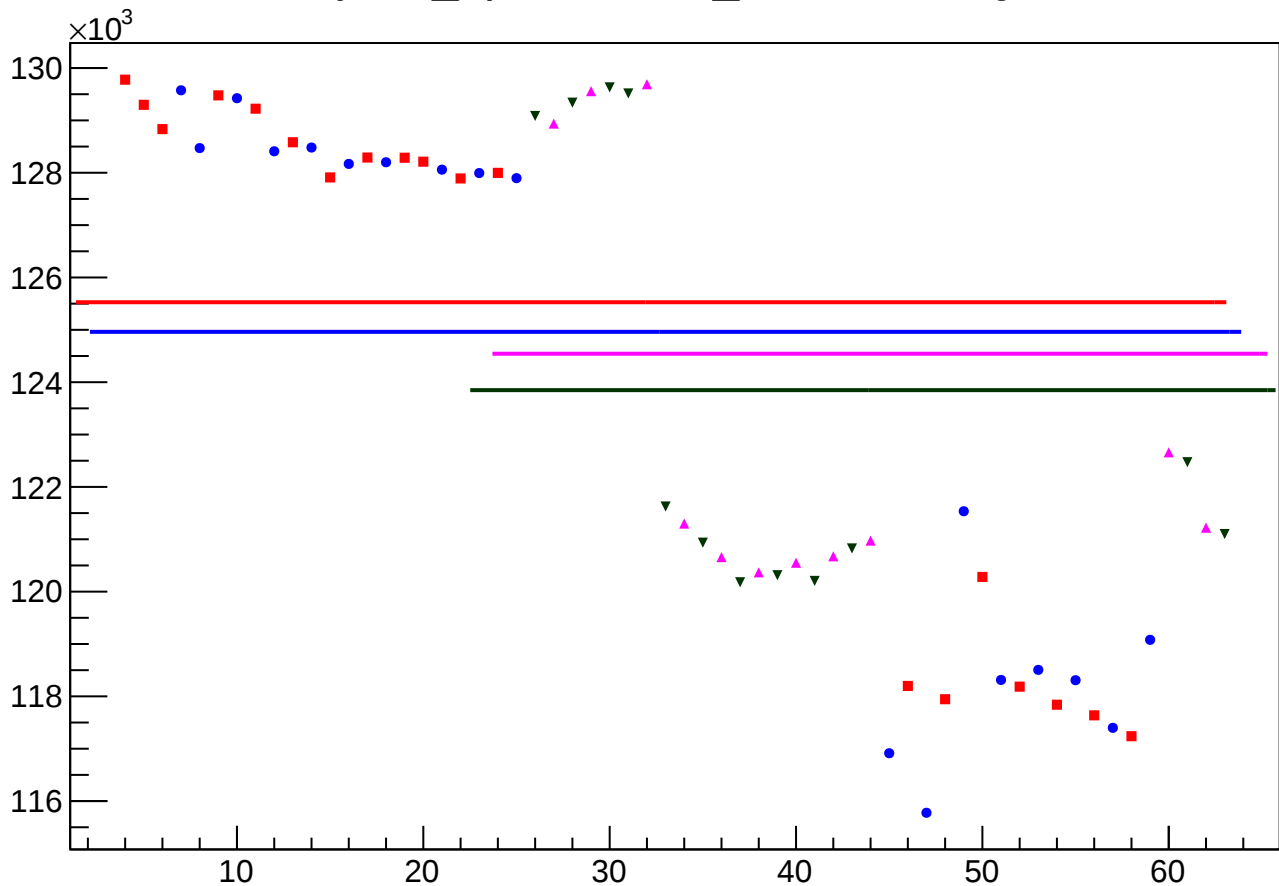
Right Out: 113.579 ± 0.026 χ^2/NDF : 206805.2/18

Left In: 122.745 ± 0.036 χ^2/NDF : 57168.7/10

115.230 ± 0.020 χ^2/NDF : 505409.8/29

116.809 ± 0.021 χ^2/NDF : 306671.5/29

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057 χ^2 /NDF: 7216201458.1/17

Left Out: 123848.176 $\pm$ 0.086 χ^2 /NDF: 2368756300.5/11

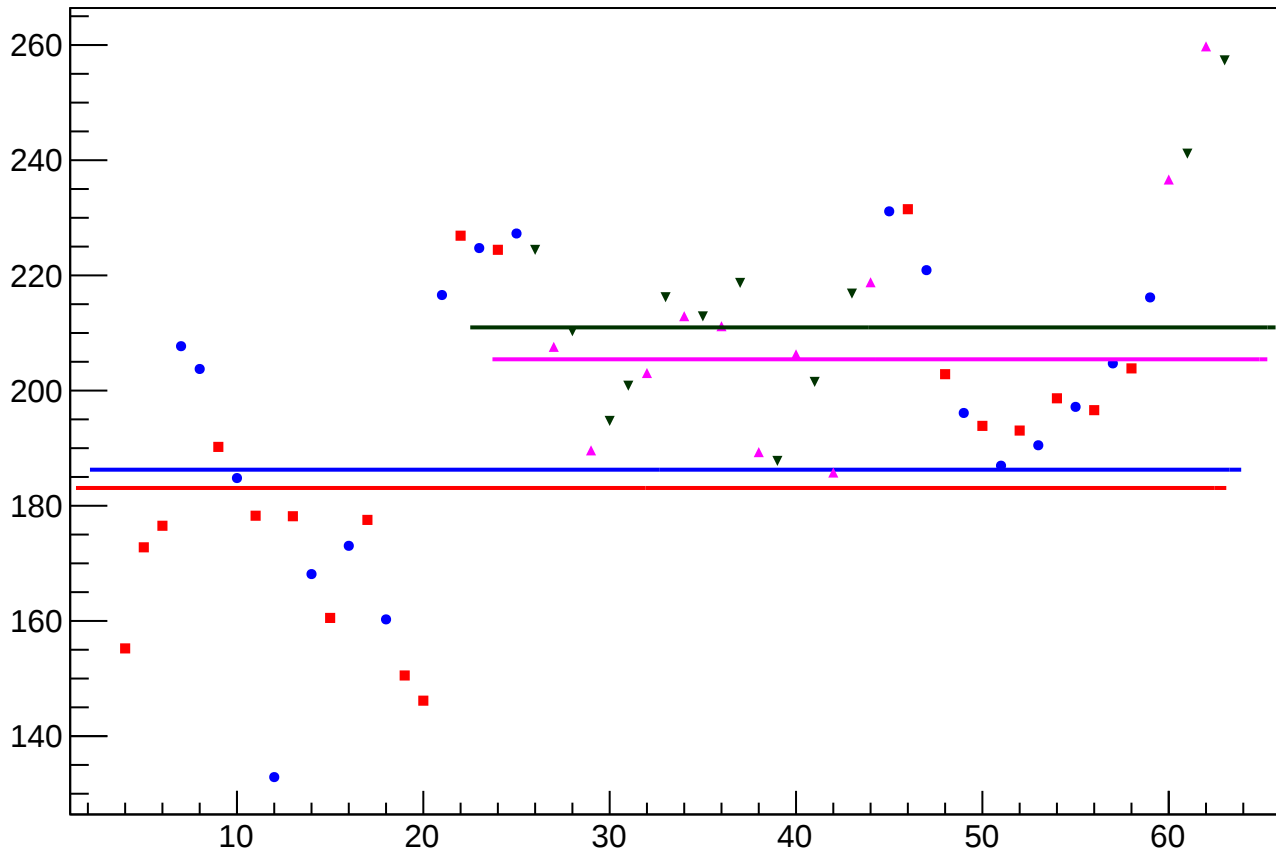
Right Out: 125527.018 $\pm$ 0.060 χ^2 /NDF: 6545248421.9/18

Left In: 124543.952 $\pm$ 0.081 χ^2 /NDF: 2715216004.1/10

124621.556 $\pm$ 0.047 χ^2 /NDF: 9702403974.3/29

125180.892 $\pm$ 0.048 χ^2 /NDF: 9356432648.5/29

yield_bpm0i07WS_rms vs slug



Right In: 186.263+/-0.040 χ^2/NDF : 462392.0/17

Left Out: 210.970+/-0.061 χ^2/NDF :80425.7/11

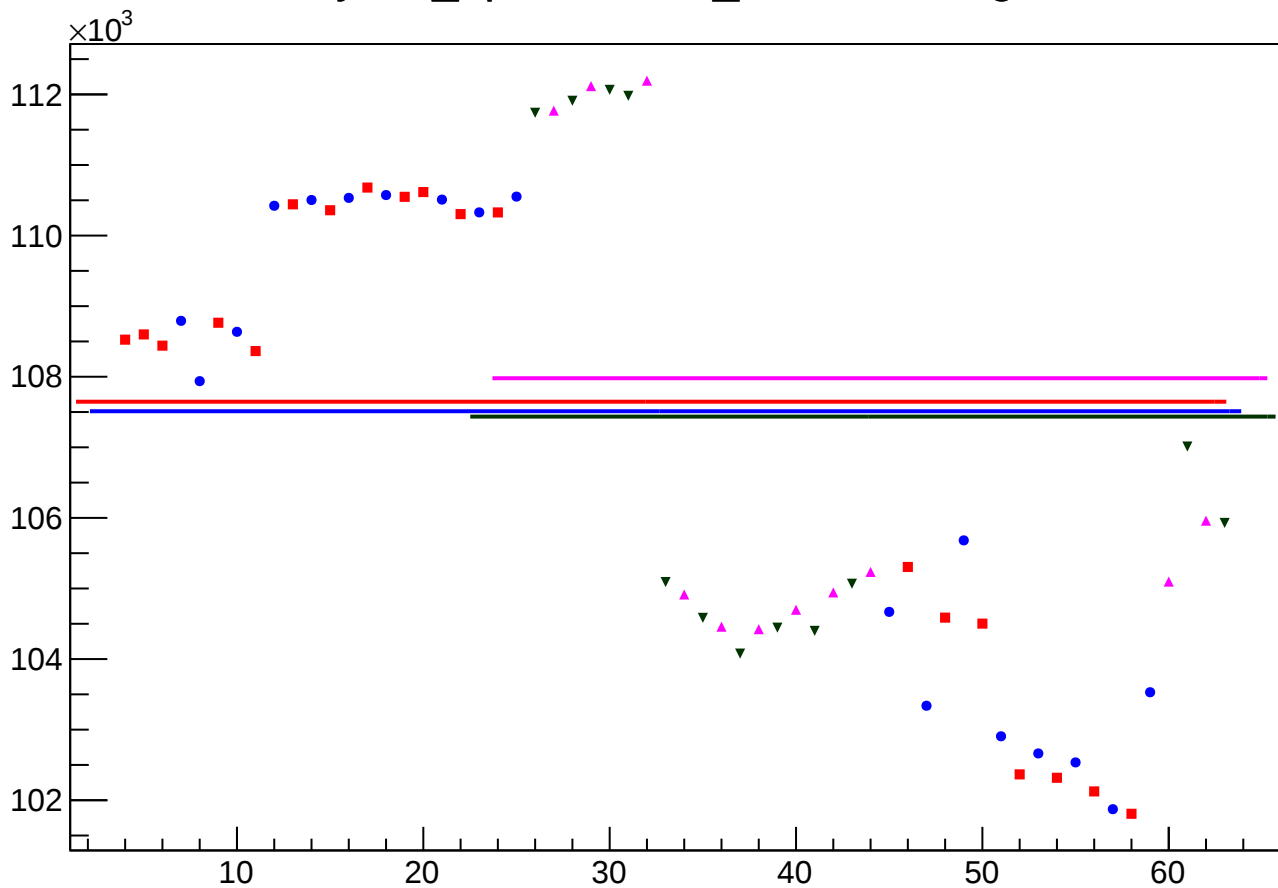
Right Out: 183.088+/-0.042 χ^2/NDF : 276420.3/18

Left In: 205.430+/-0.057 χ^2/NDF :89432.0/10

193.810+/-0.033 χ^2/NDF : 658463.8/29

190.955+/-0.034 χ^2/NDF : 464983.8/29

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037 χ^2 /NDF: 7545366390.6/17

Left Out: 107435.328 $\pm$ 0.048 χ^2 /NDF: 5372269151.2/11

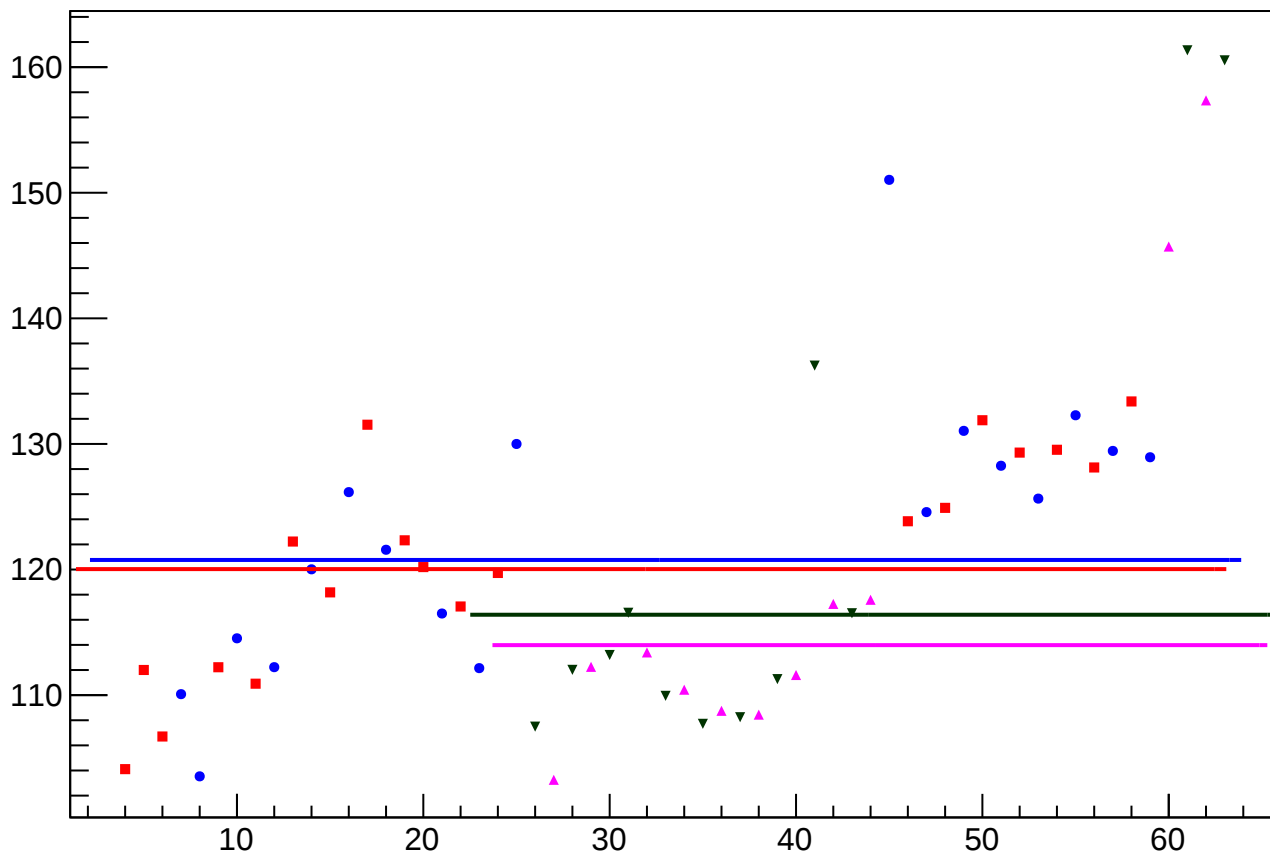
Right Out: 107646.372 $\pm$ 0.039 χ^2 /NDF: 6547636060.9/18

Left In: 107978.804 $\pm$ 0.045 χ^2 /NDF: 6272292053.1/10

107483.118 $\pm$ 0.029 χ^2 /NDF: 12919240626.4/2

107788.711 $\pm$ 0.029 χ^2 /NDF: 12851160968.6/2

yield_bpm0l01WS_rms vs slug



Right In: 120.763 ± 0.026 χ^2/NDF : 155732.1/17

Left Out: 116.402 ± 0.034 χ^2/NDF : 177303.8/11

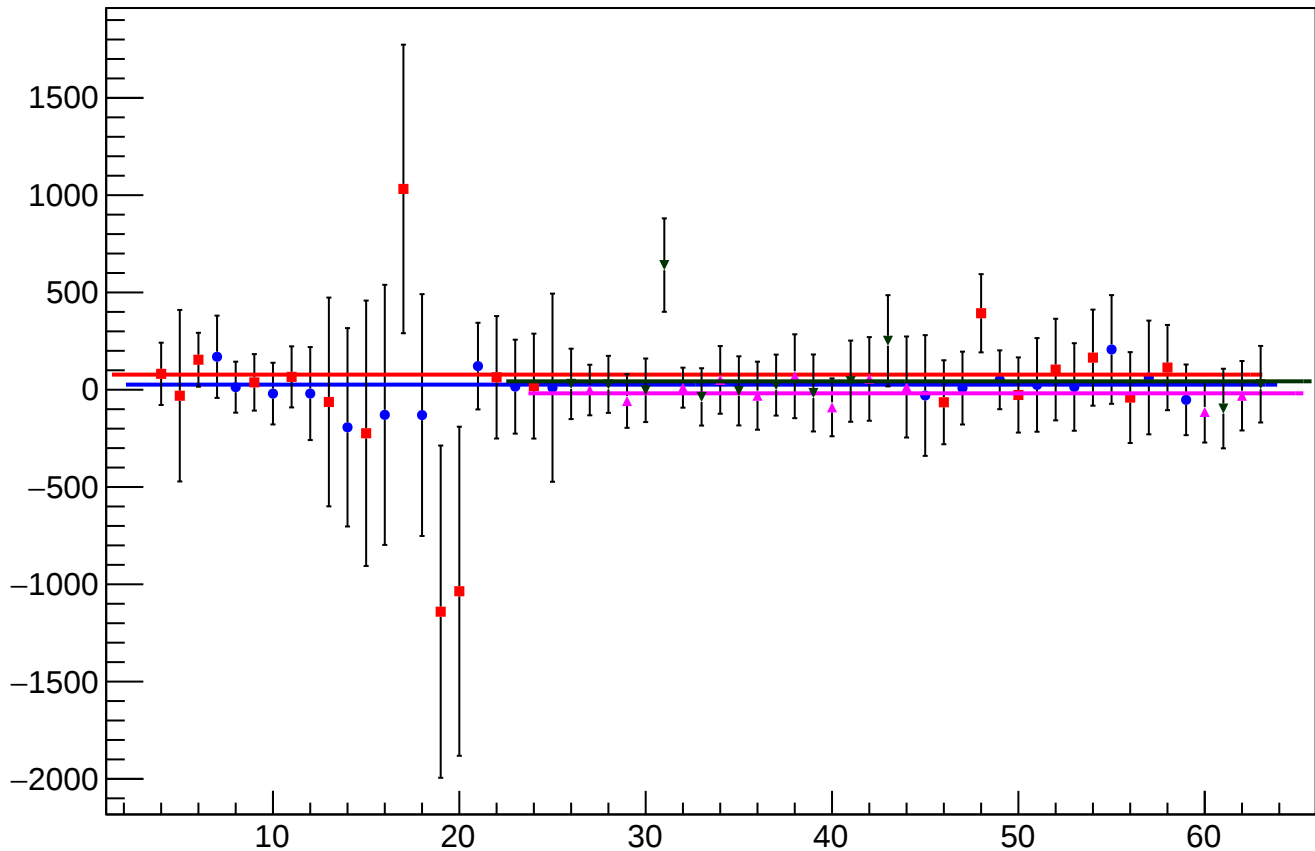
Right Out: 120.035 ± 0.028 χ^2/NDF : 93920.3/18

Left In: 113.981 ± 0.032 χ^2/NDF : 133994.7/10

119.143 ± 0.021 χ^2/NDF : 343596.1/29

117.443 ± 0.021 χ^2/NDF : 248627.7/29

asym_bcm_an_ds_mean vs slug



Right In: 26.246+/-52.510 χ^2/NDF : 1.8/17

Left Out: 43.289+/-52.207 χ^2/NDF : 8.0/11

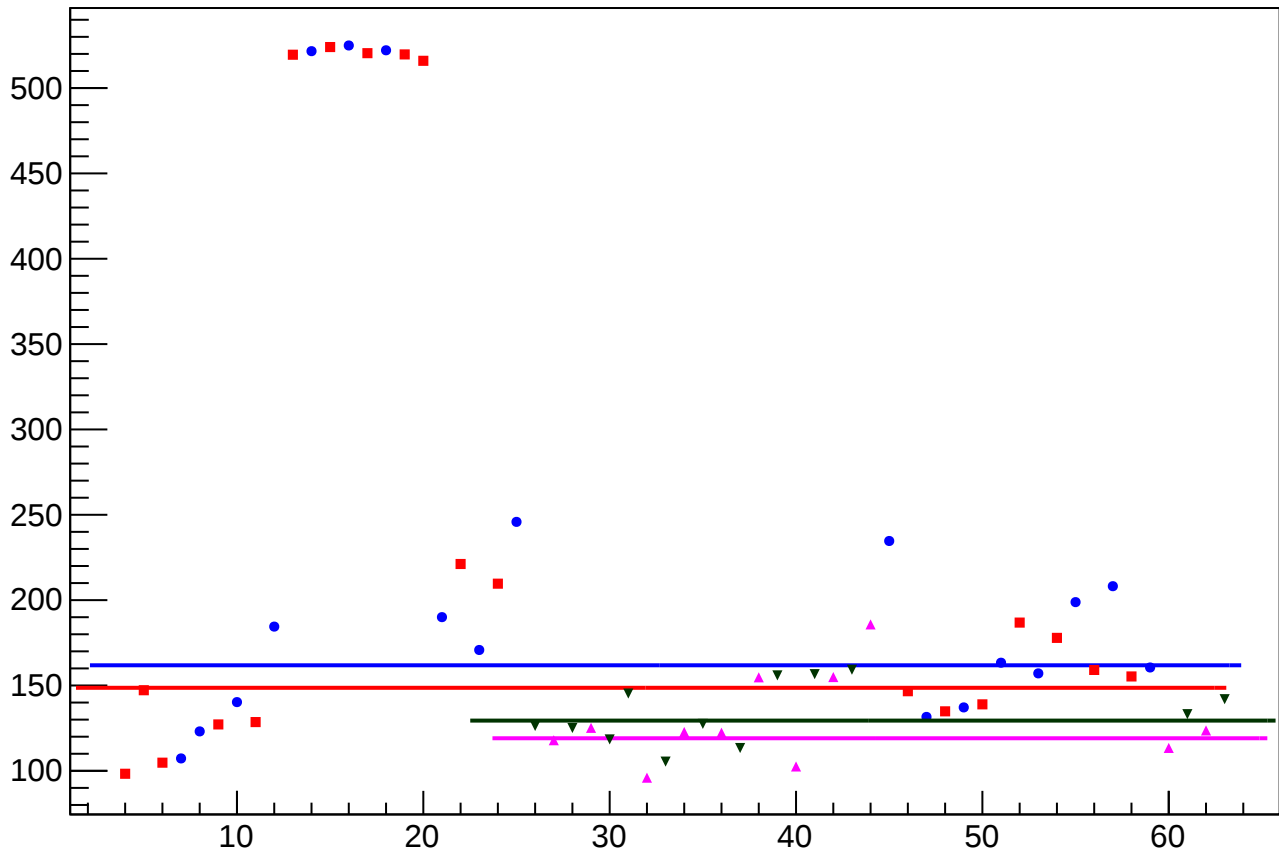
Right Out: 77.703+/-52.586 χ^2/NDF : 9.8/18

Left In: -18.422+/-47.286 χ^2/NDF : 1.3/10

34.817+/-37.023 χ^2/NDF : 9.9/29

24.553+/-35.161 χ^2/NDF : 12.9/29

asym_bcm_an_ds_rms vs slug



Right In: 161.835+/-0.037 χ^2/NDF : 3018868.1/17

Left Out: 129.430+/-0.037 χ^2/NDF :205653.7/11

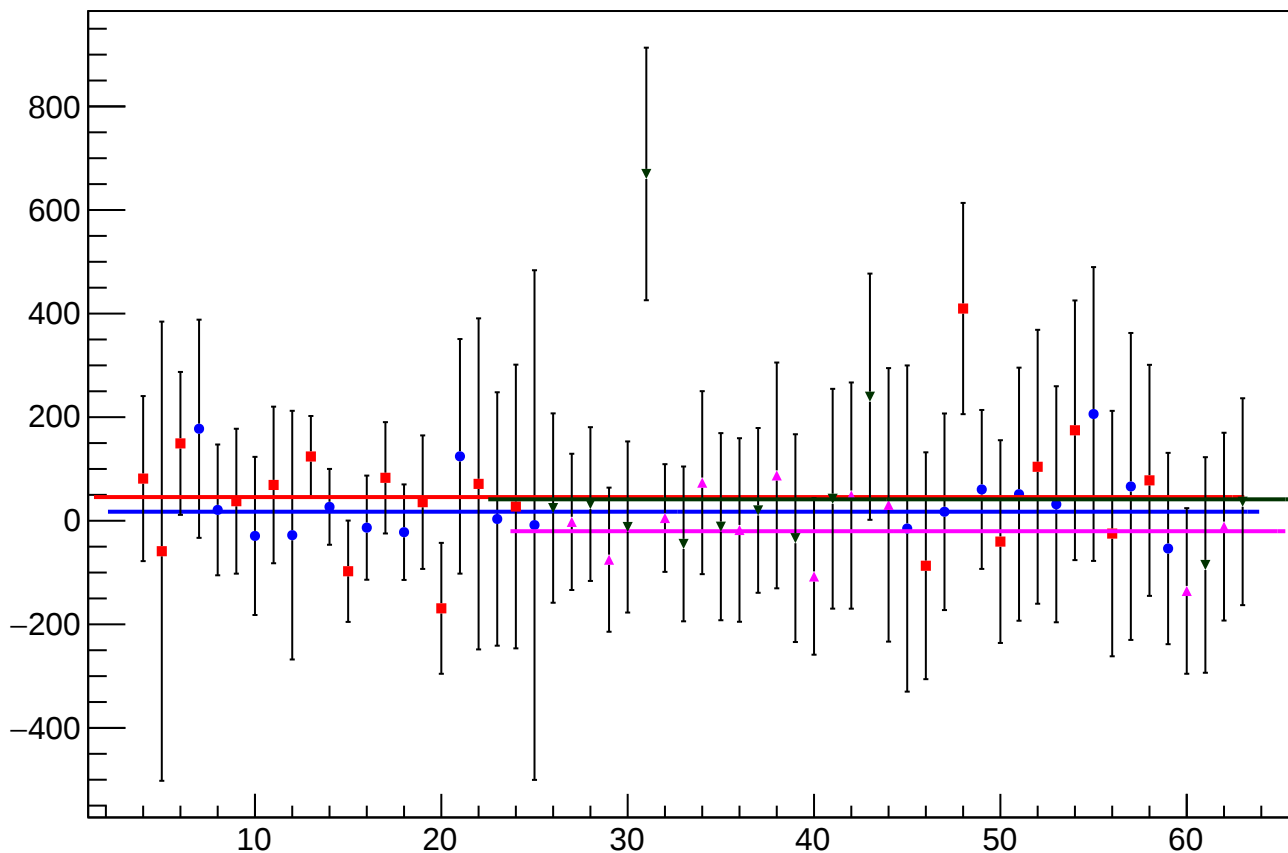
145.539+/-0.026 χ^2/NDF : 3607537.9/29

Right Out: 148.646+/-0.037 χ^2/NDF : 3594583.0/18

132.298+/-0.025 χ^2/NDF : 4321896.1/29

Left In: 119.079+/-0.033 χ^2/NDF :377714.2/10

asym_bcm_an_ds3_mean vs slug



Right In: 17.458 ± 36.313 χ^2/NDF : 2.0/17

Left Out: 41.381 ± 52.955 χ^2/NDF : 8.4/11

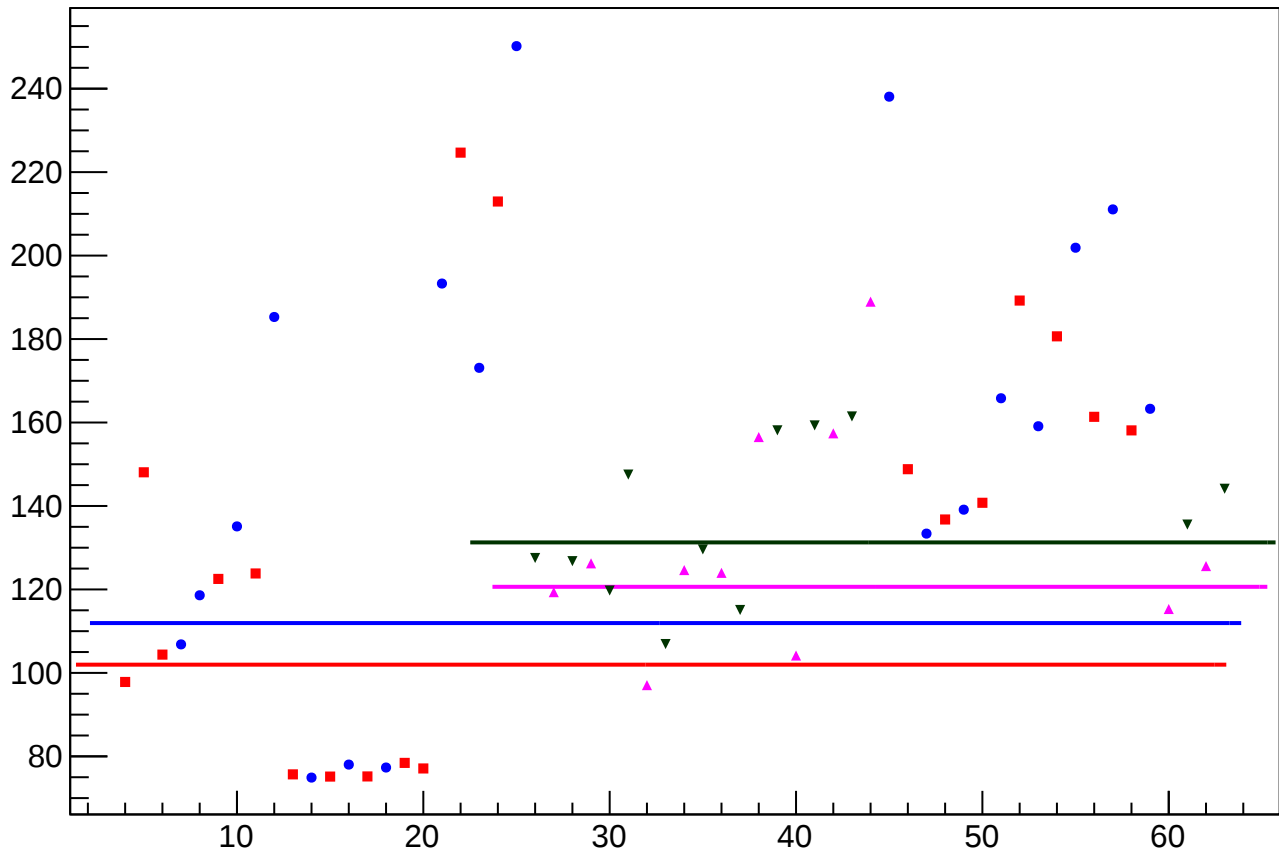
Right Out: 45.735 ± 34.677 χ^2/NDF : 11.0/18

Left In: -20.188 ± 47.914 χ^2/NDF : 1.8/10

25.110 ± 29.948 χ^2/NDF : 10.5/29

23.074 ± 28.092 χ^2/NDF : 14.0/29

asym_bcm_an_ds3_rms vs slug



Right In: 111.942+/-0.026 χ^2/NDF : 2972725.0/17

Left Out: 131.269+/-0.037 χ^2/NDF :207456.5/11

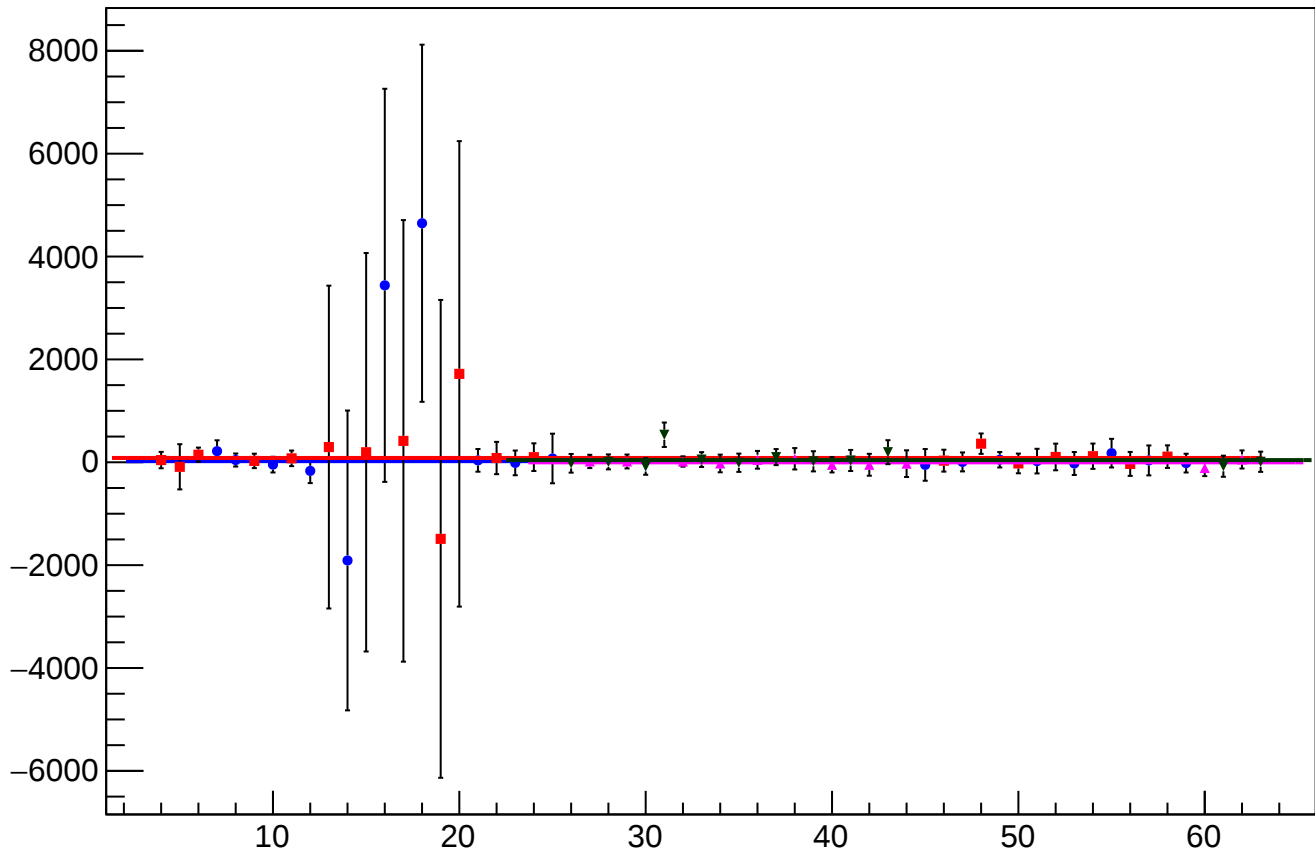
Right Out: 101.974+/-0.025 χ^2/NDF : 2271871.2/18

Left In: 120.631+/-0.034 χ^2/NDF :380218.6/10

118.123+/-0.021 χ^2/NDF : 3361380.5/29

108.387+/-0.020 χ^2/NDF : 2851099.9/29

asym_bcm_an_us_mean vs slug



Right In: 21.772+/-52.365 χ^2/NDF : 5.3/17

Left Out: 42.451+/-51.807 χ^2/NDF : 6.1/11

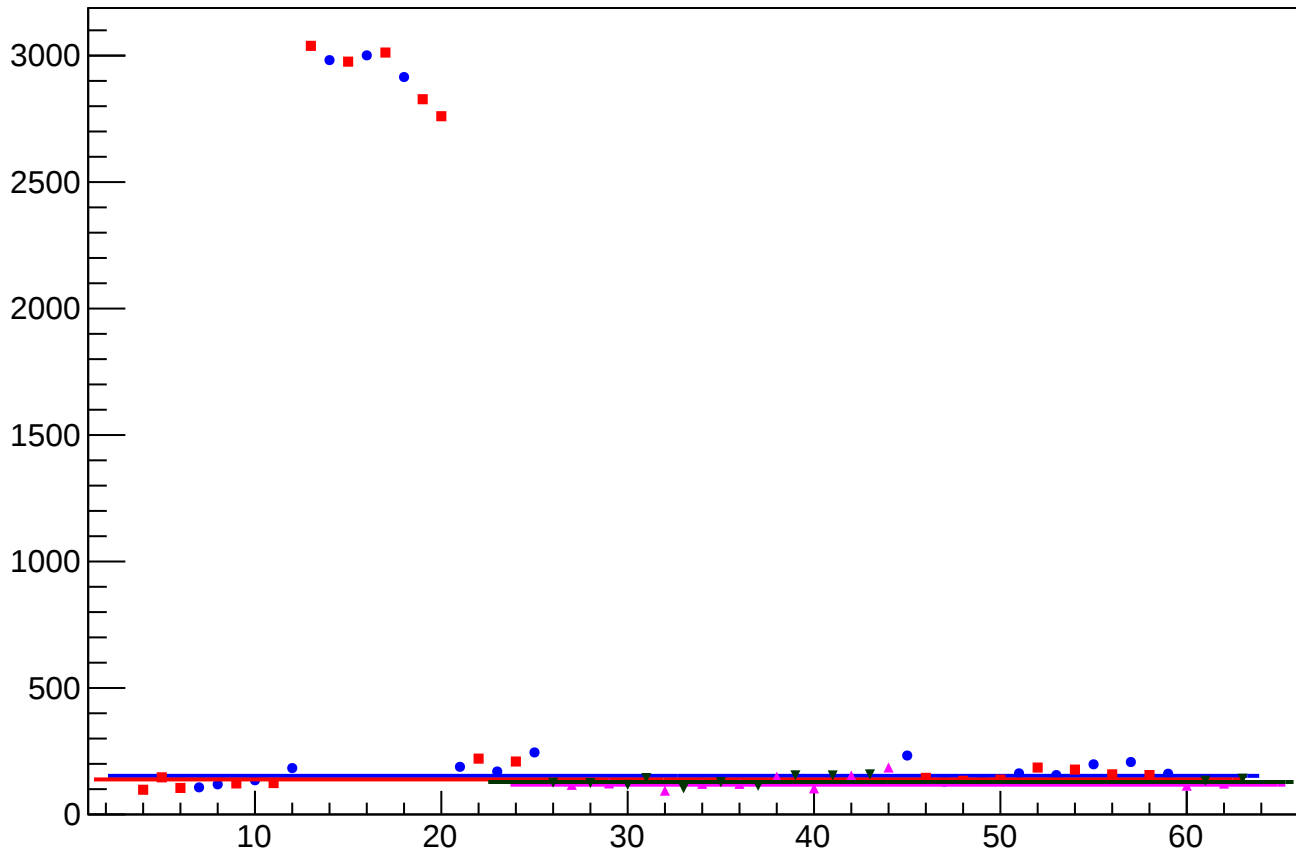
Right Out: 84.092+/-52.636 χ^2/NDF : 3.5/18

Left In: -1.547+/-46.730 χ^2/NDF : 1.0/10

32.223+/-36.829 χ^2/NDF : 11.4/29

36.200+/-34.945 χ^2/NDF : 6.0/29

asym_bcm_an_us_rms vs slug



Right In: 152.628+/-0.037 χ^2/NDF : 5017627.8/17

Left Out: 128.286+/-0.037 χ^2/NDF : 212464.9/11

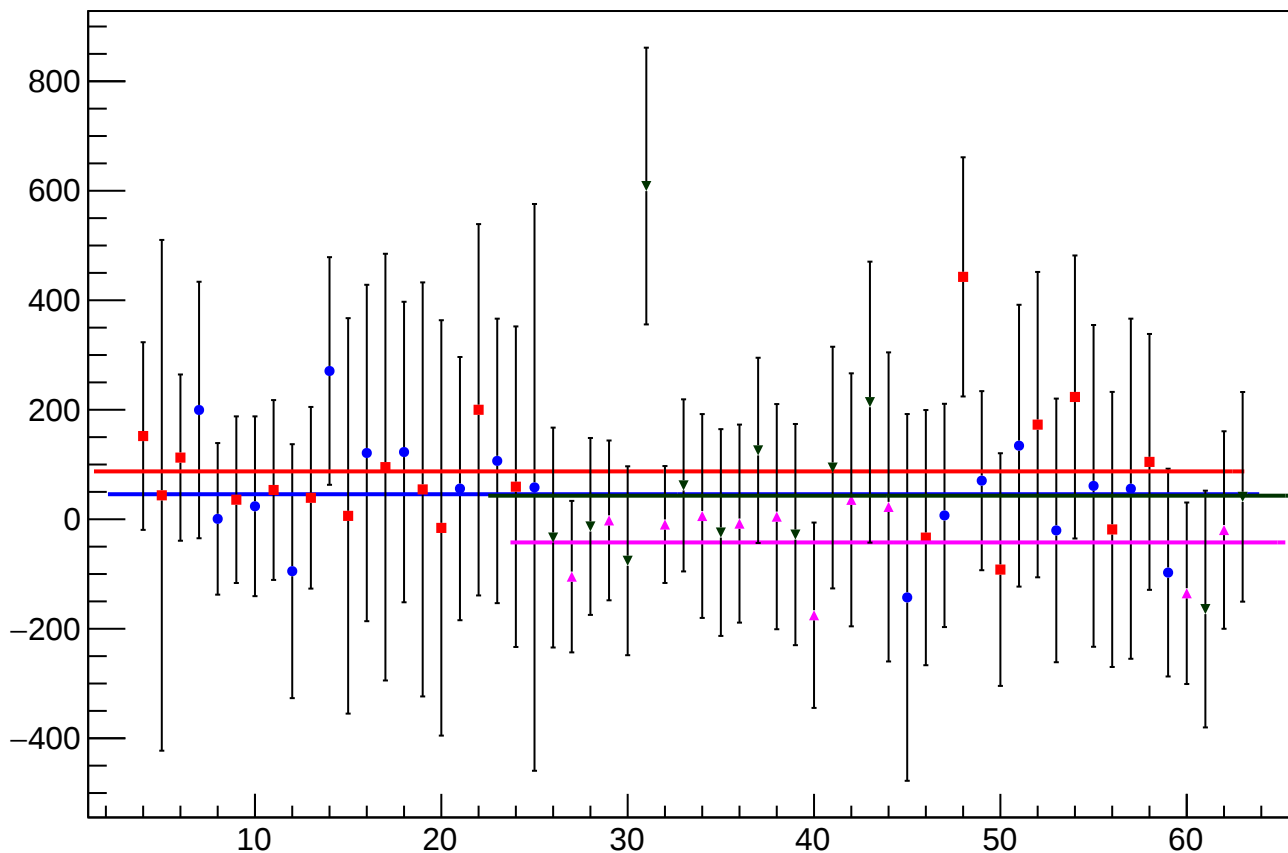
140.327+/-0.026 χ^2/NDF : 5448503.8/29

Right Out: 138.455+/-0.037 χ^2/NDF : 5734578.9/18

126.833+/-0.025 χ^2/NDF : 6286333.1/29

Left In: 117.672+/-0.033 χ^2/NDF : 377387.3/10

asym_bcm_dg_us_mean vs slug



Right In: 45.739+/-52.604 χ^2/NDF : 3.4/17

Left Out: 43.070+/-55.494 χ^2/NDF : 7.7/11

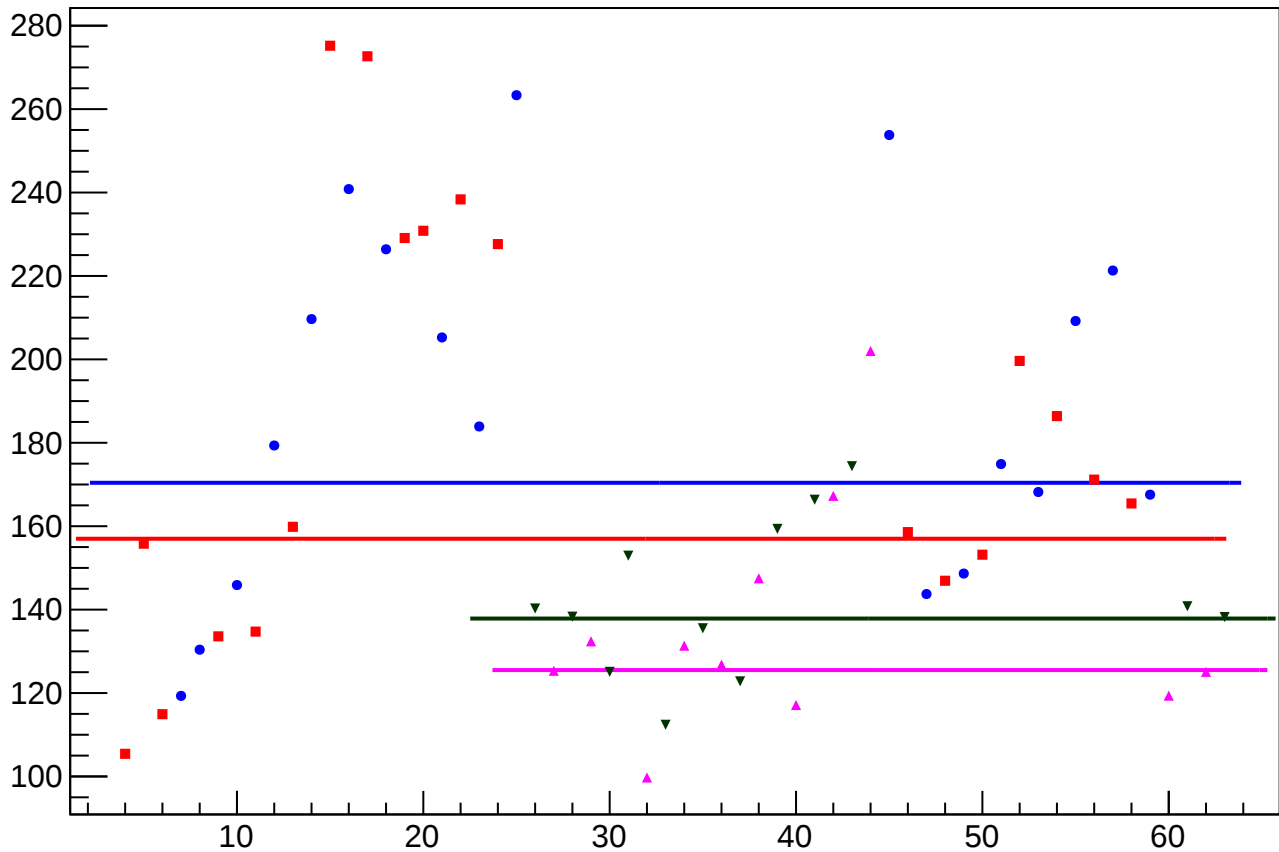
Right Out: 87.434+/-51.940 χ^2/NDF : 4.9/18

Left In: -42.308+/-49.796 χ^2/NDF : 1.6/10

44.475+/-38.178 χ^2/NDF : 11.1/29

19.829+/-35.945 χ^2/NDF : 9.7/29

asym_bcm_dg_us_rms vs slug



Right In: 170.412+/-0.037 χ^2/NDF : 964671.4/17

Left Out: 137.864+/-0.039 χ^2/NDF :183922.2/11

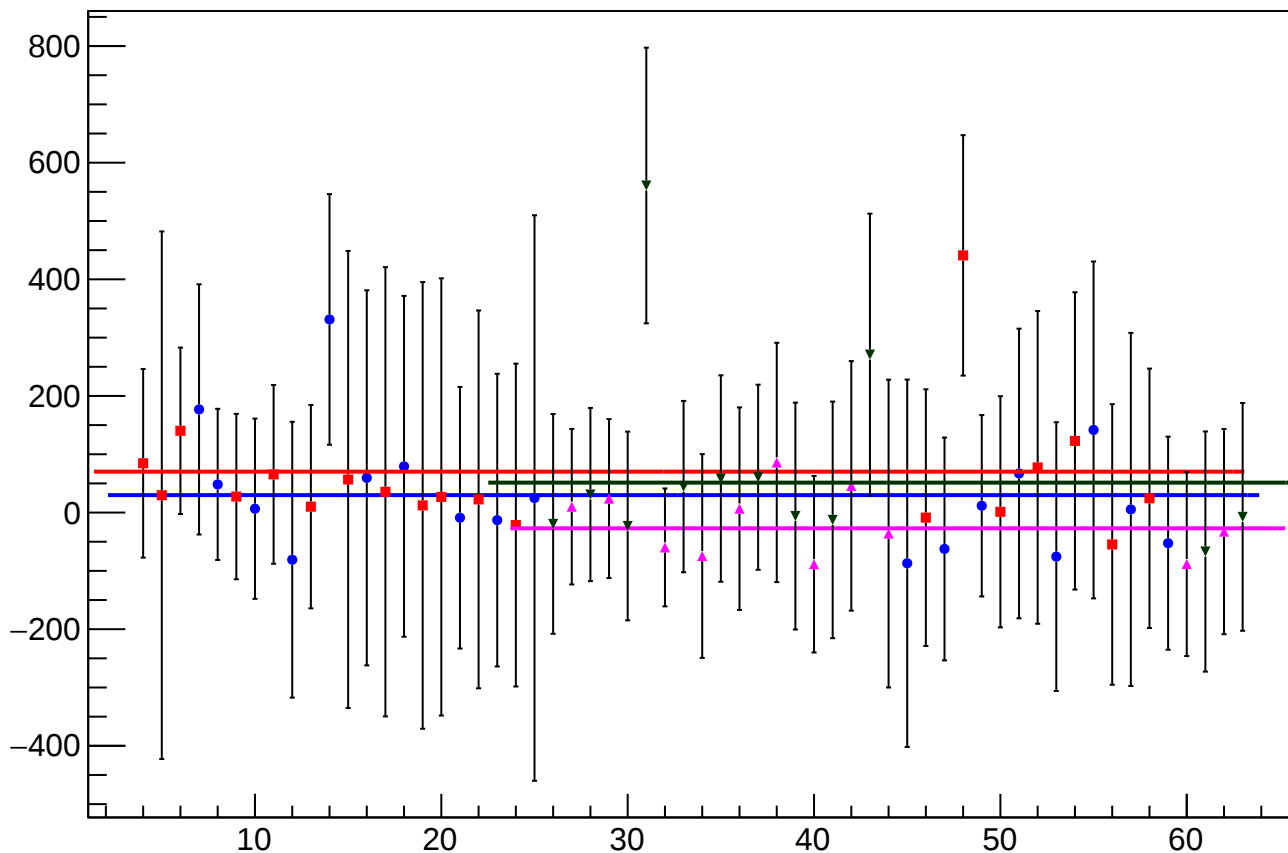
155.008+/-0.027 χ^2/NDF : 1510978.0/29

Right Out: 156.997+/-0.037 χ^2/NDF : 1276447.5/18

140.589+/-0.025 χ^2/NDF : 2025170.7/29

Left In: 125.508+/-0.035 χ^2/NDF :365701.9/10

asym_bcm_dg_ds_mean vs slug



Right In: 29.919+/-50.591 χ^2/NDF : 3.8/17

Left Out: 51.344+/-52.332 χ^2/NDF : 6.5/11

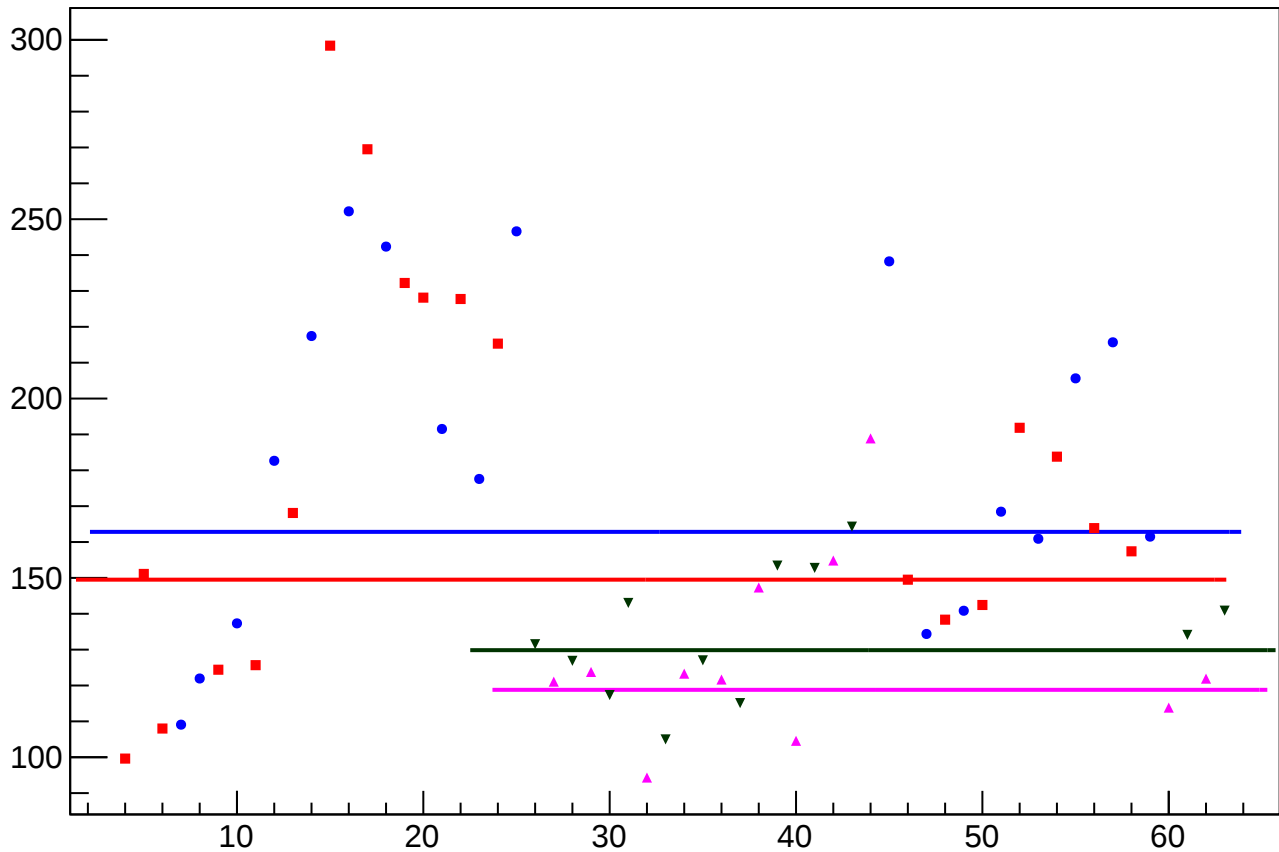
Right Out: 70.155+/-49.782 χ^2/NDF : 4.5/18

Left In: -26.993+/-47.154 χ^2/NDF : 1.2/10

40.269+/-36.373 χ^2/NDF : 10.3/29

18.949+/-34.234 χ^2/NDF : 7.7/29

asym_bcm_dg_ds_rms vs slug



Right In: 162.833+/-0.036 χ^2/NDF : 1229021.5/17

Left Out: 129.851+/-0.037 χ^2/NDF :197034.9/11

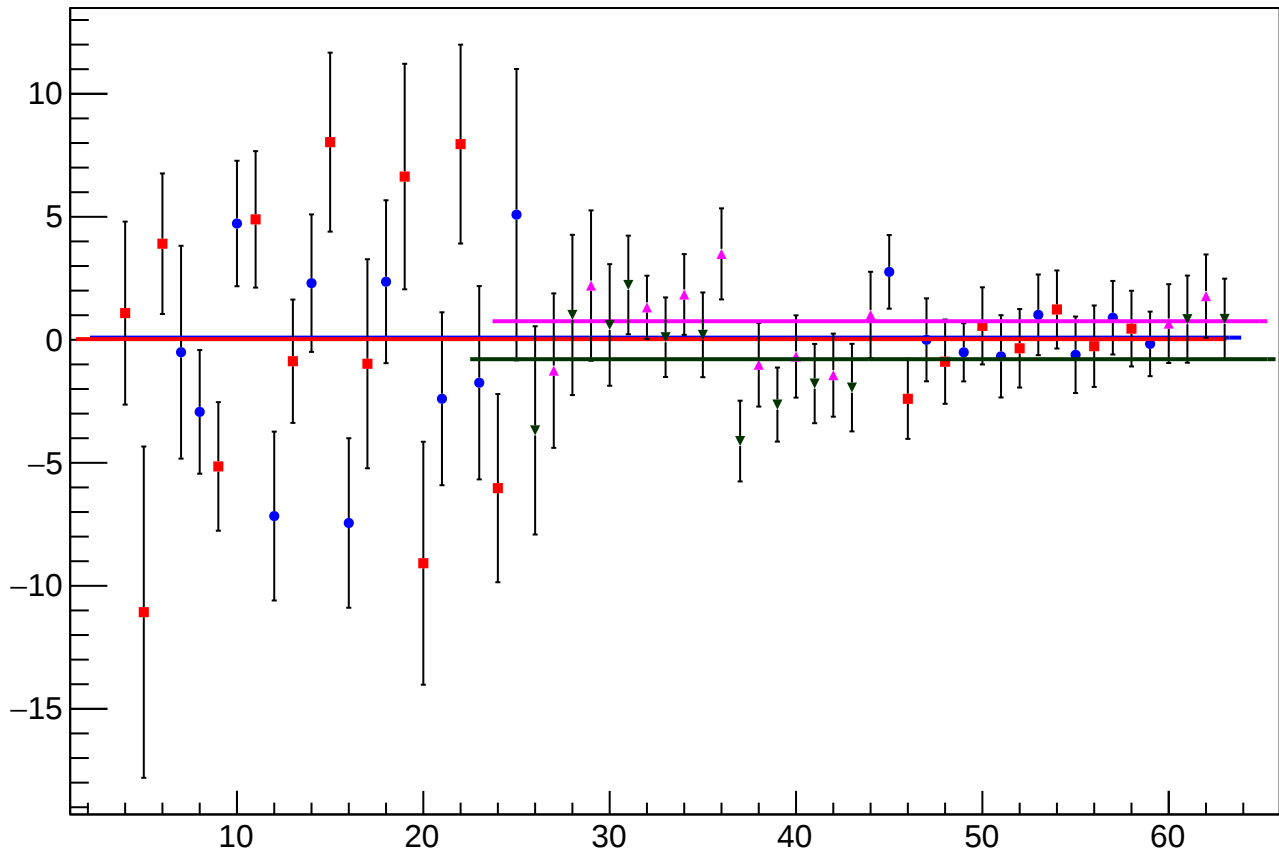
Right Out: 149.507+/-0.035 χ^2/NDF : 1490705.1/18

Left In: 118.794+/-0.033 χ^2/NDF :378872.3/10

146.900+/-0.026 χ^2/NDF : 1836700.6/29

133.319+/-0.024 χ^2/NDF : 2270808.9/29

asym_cav4bQ_mean vs slug



Right In: 0.089 ± 0.466 $\chi^2/\text{NDF}: 21.1/17$

Left Out: -0.788 ± 0.535 $\chi^2/\text{NDF}: 12.2/11$

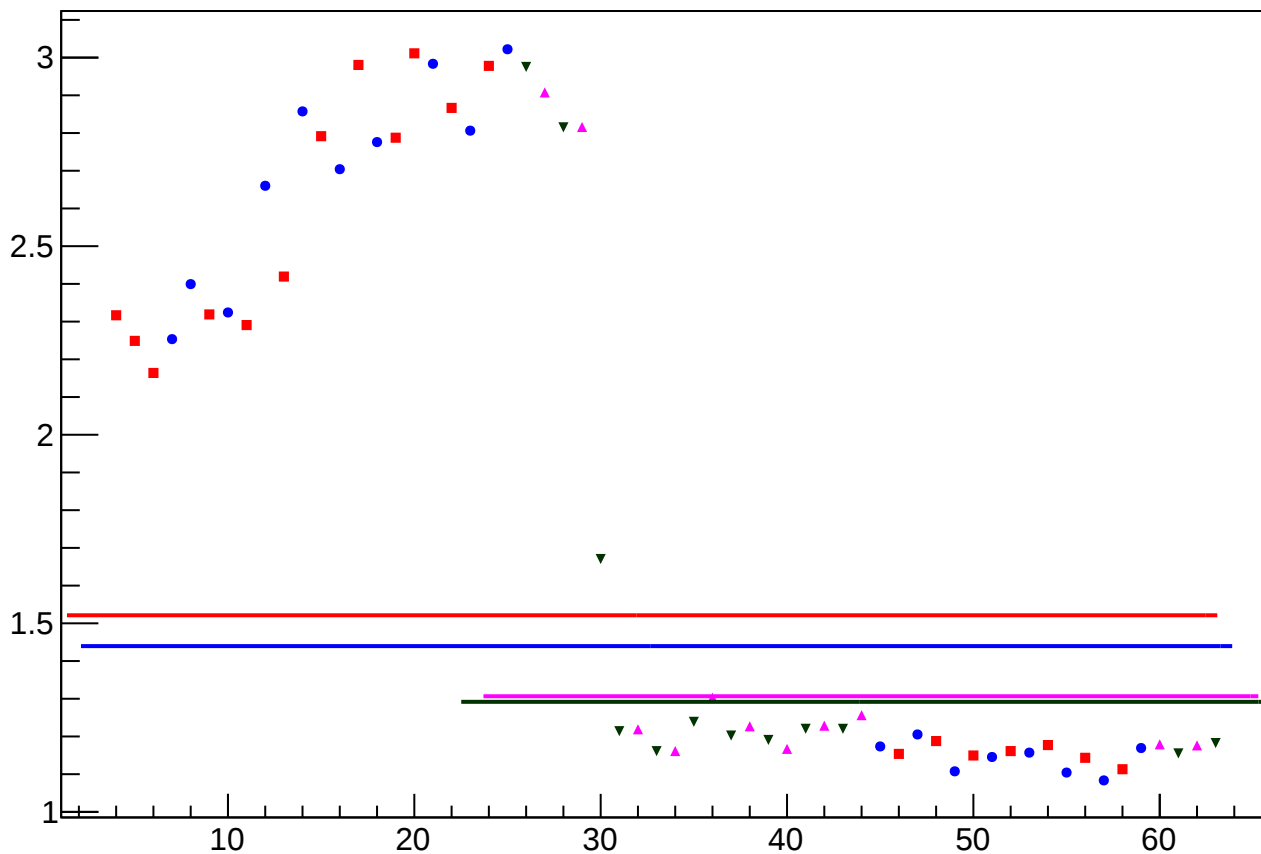
Right Out: 0.028 ± 0.520 $\chi^2/\text{NDF}: 31.9/18$

Left In: 0.756 ± 0.528 $\chi^2/\text{NDF}: 7.3/10$

-0.288 ± 0.351 $\chi^2/\text{NDF}: 34.8/29$

0.387 ± 0.370 $\chi^2/\text{NDF}: 40.2/29$

asym_cav4bQ_rms vs slug



Right In: 1.440+/-0.000 χ^2/NDF : 3409388.4/17

Left Out: 1.292+/-0.000 χ^2/NDF :861653.8/11

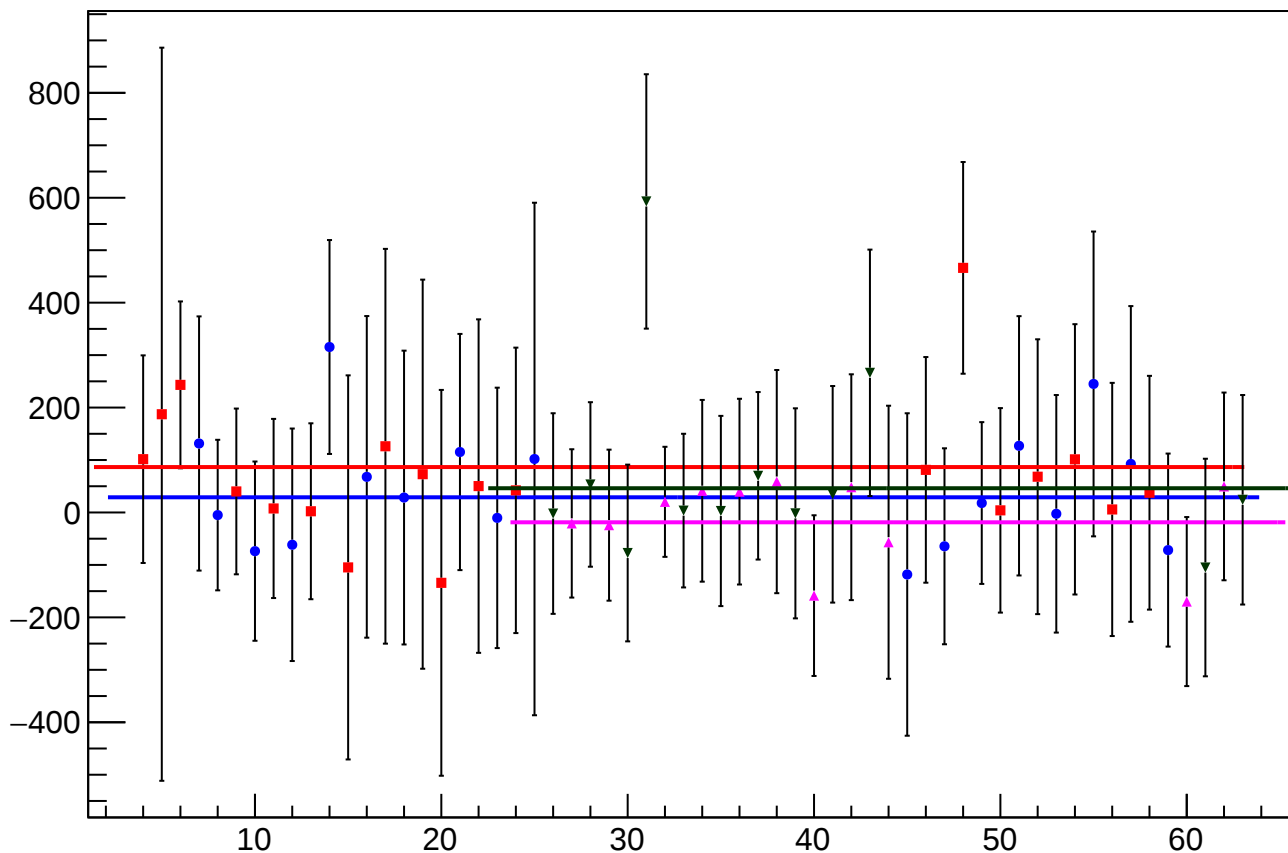
Right Out: 1.521+/-0.000 χ^2/NDF : 2870549.2/18

Left In: 1.307+/-0.000 χ^2/NDF :1081563.2/10

1.376+/-0.000 χ^2/NDF : 4357748.7/29

1.416+/-0.000 χ^2/NDF : 4120205.0/29

asym_cav4cQ_mean vs slug



Right In: 28.930 $\pm$ 51.478 χ^2 /NDF: 4.5/17

Left Out: 46.199 $\pm$ 53.352 χ^2 /NDF: 7.3/11

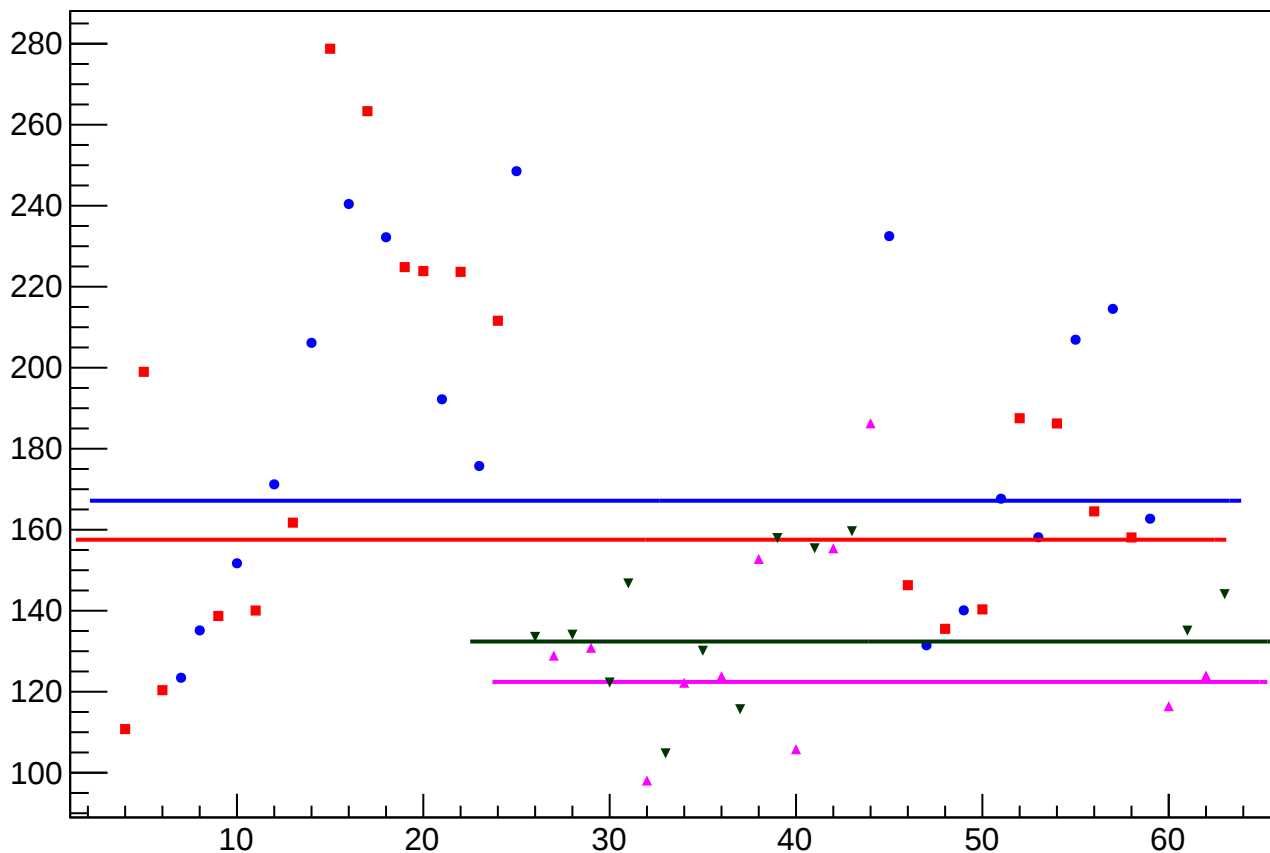
Right Out: 86.558 $\pm$ 52.059 χ^2 /NDF: 6.1/18

Left In: -18.749 $\pm$ 48.500 χ^2 /NDF: 2.5/10

37.256 $\pm$ 37.045 χ^2 /NDF: 11.9/29

30.182 $\pm$ 35.486 χ^2 /NDF: 10.8/29

asym_cav4cQ_rms vs slug



Right In: 167.159+/-0.036 χ^2/NDF : 875808.6/17

Left Out: 132.397+/-0.038 χ^2/NDF :199326.1/11

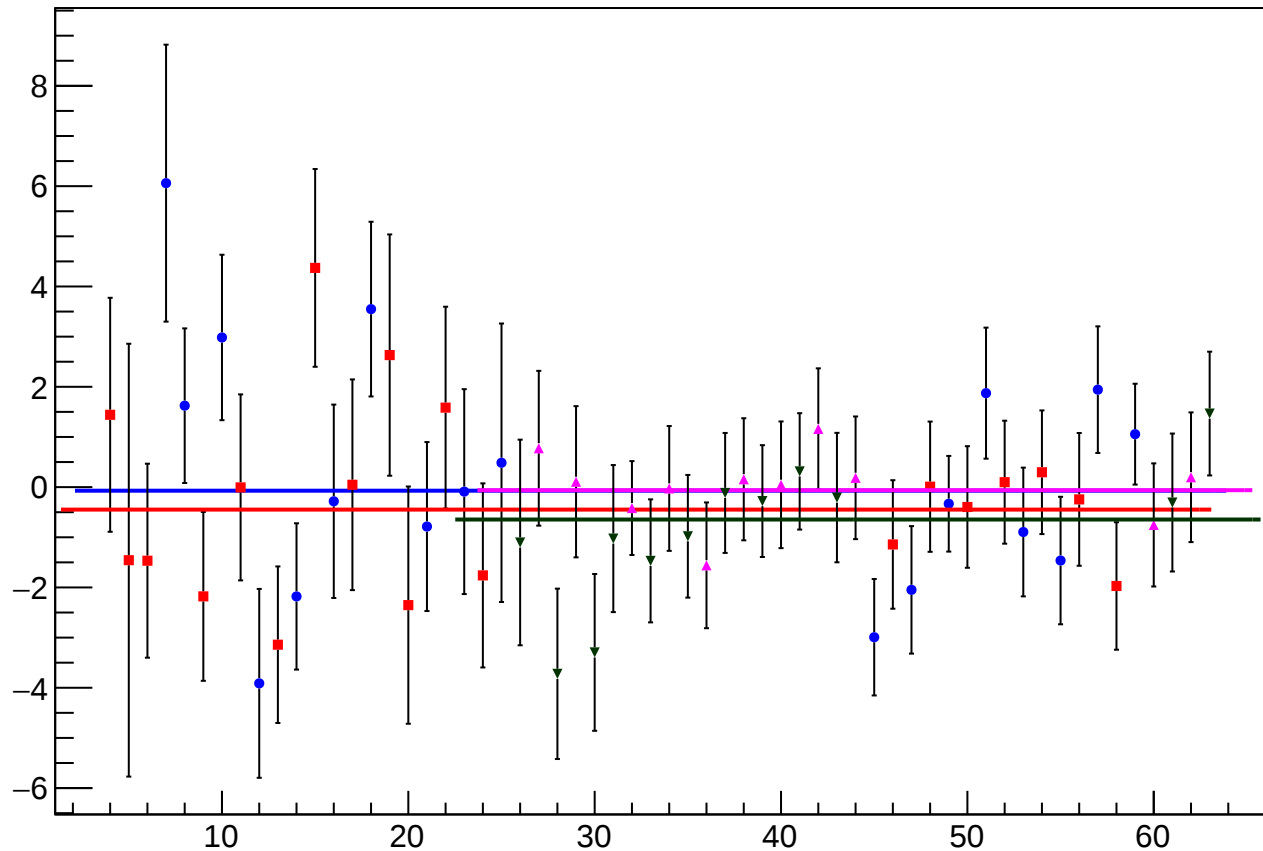
Right Out: 157.534+/-0.037 χ^2/NDF : 1049684.2/18

Left In: 122.412+/-0.034 χ^2/NDF :353428.4/10

150.399+/-0.026 χ^2/NDF : 1514829.3/29

138.732+/-0.025 χ^2/NDF : 1890458.3/29

asym_cav4dQ_mean vs slug



Right In: -0.071 ± 0.335 χ^2/NDF : 36.8/17

Left Out: -0.646 ± 0.383 χ^2/NDF : 10.9/11

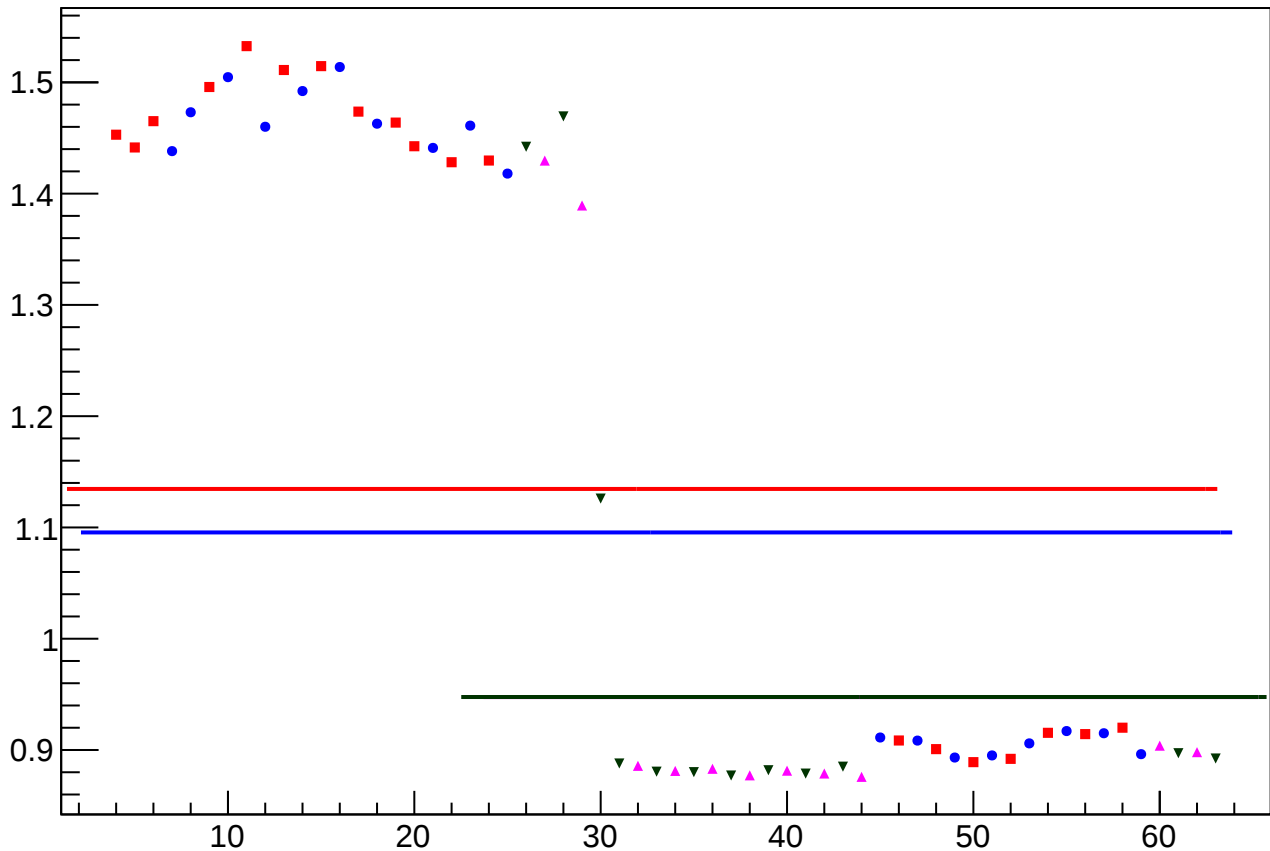
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.061 ± 0.373 χ^2/NDF : 3.3/10

-0.321 ± 0.252 χ^2/NDF : 49.0/29

-0.256 ± 0.262 χ^2/NDF : 21.3/29

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.948+/-0.000 χ^2/NDF : 379022.0/11

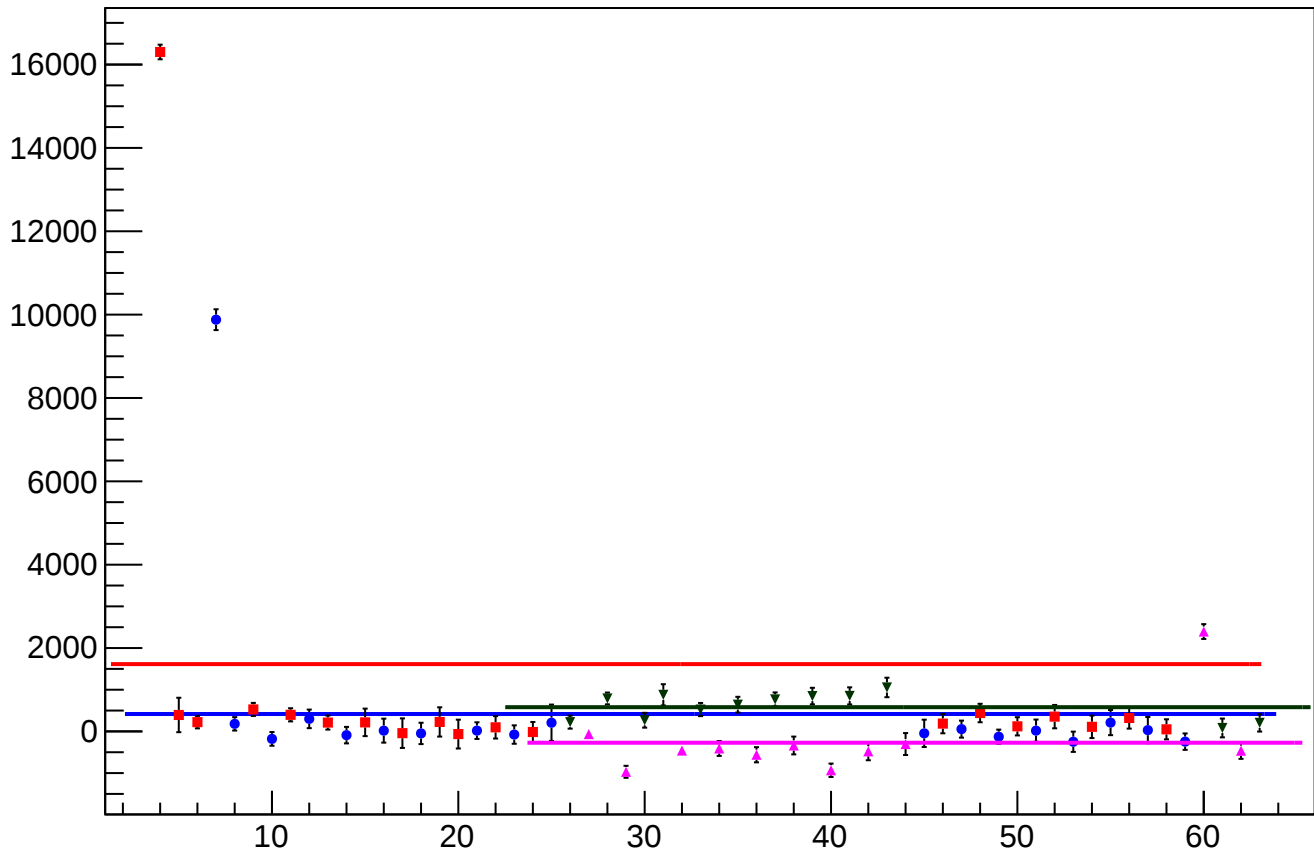
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.948+/-0.000 χ^2/NDF : 417781.1/10

1.031+/-0.000 χ^2/NDF : 1836661.6/29

1.042+/-0.000 χ^2/NDF : 1834019.9/29

asym_bcm0l02_mean vs slug



Right In: 417.186 ± 52.636 χ^2/NDF : 1507.9/17

Left Out: 581.007 ± 53.381 χ^2/NDF : 29.1/11

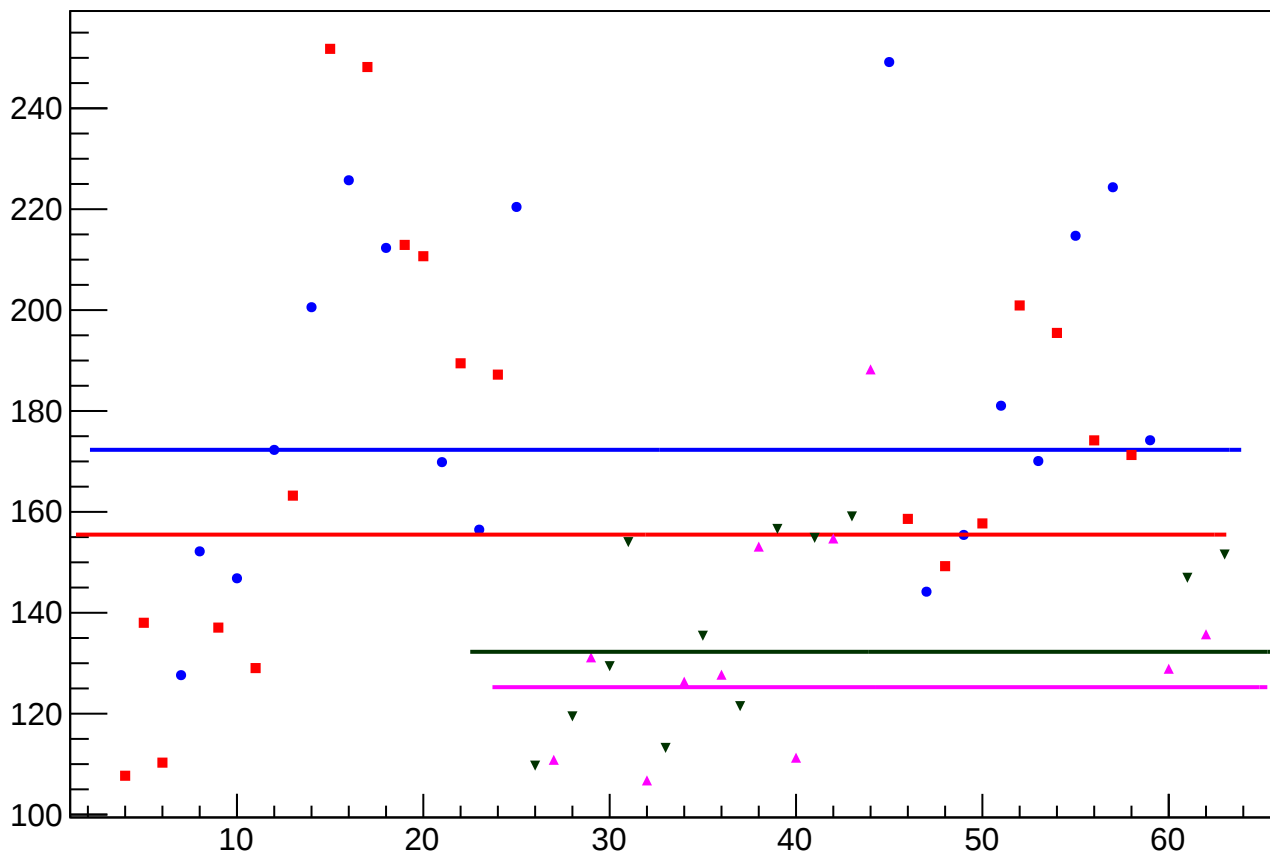
497.945 ± 37.480 χ^2/NDF : 1541.8/29

Right Out: 1614.499 ± 51.138 χ^2/NDF : 7665.3/18

639.111 ± 35.537 χ^2/NDF : 8644.5/29

Left In: -271.808 ± 49.419 χ^2/NDF : 275.7/10

asym_bcm0l02_rms vs slug



Right In: 172.303+/-0.037 χ^2/NDF : 600813.3/17

Left Out: 132.264+/-0.038 χ^2/NDF :216805.0/11

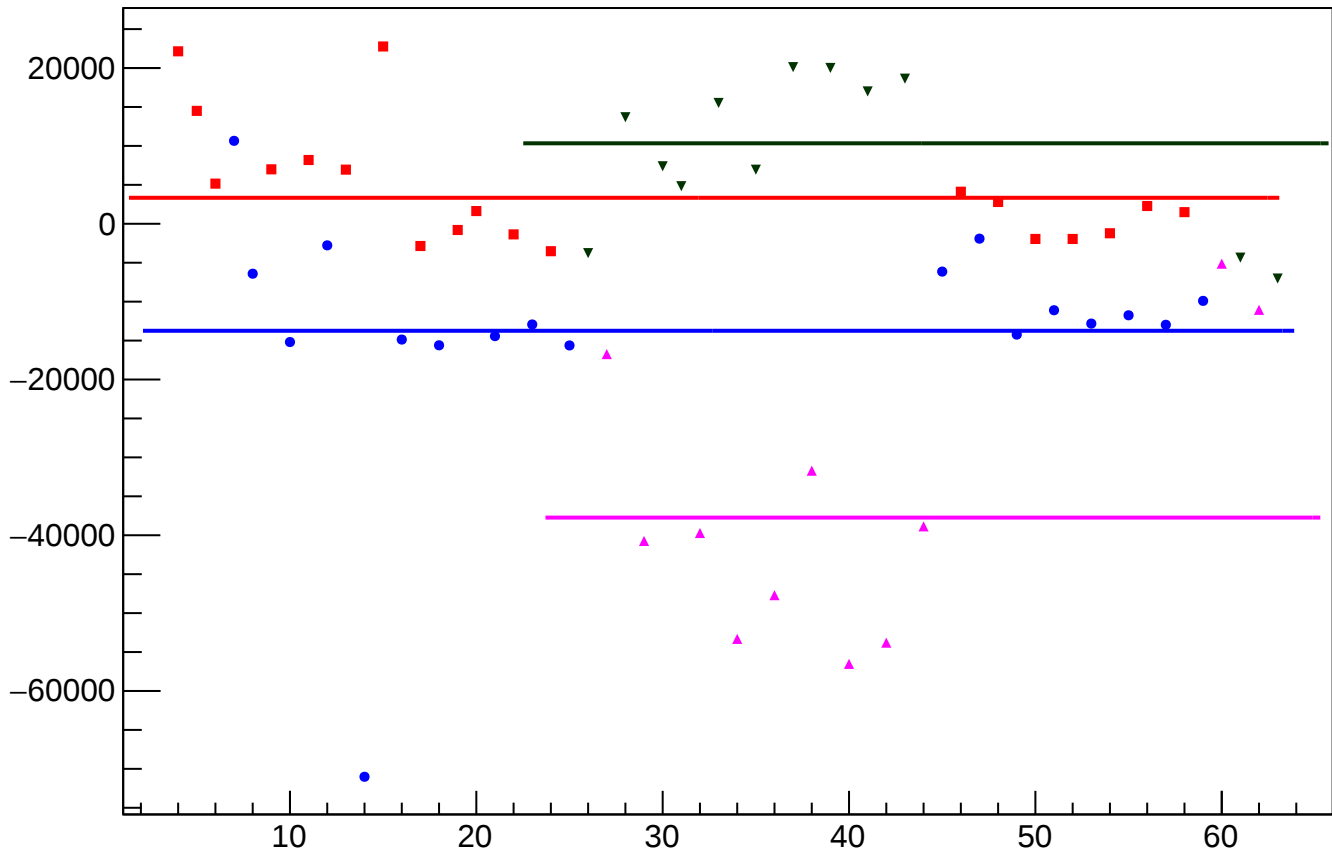
Right Out: 155.494+/-0.036 χ^2/NDF : 1018742.9/18

Left In: 125.254+/-0.035 χ^2/NDF :292974.3/10

152.565+/-0.027 χ^2/NDF : 1388131.0/29

139.857+/-0.025 χ^2/NDF : 1673349.1/29

asym_bpm2i01WS_mean vs slug



Right In: -13741.376 ± 32.053 χ^2/NDF : 222194.3/17

Left Out: 10334.264 ± 38.850 χ^2/NDF : 62021.4/11

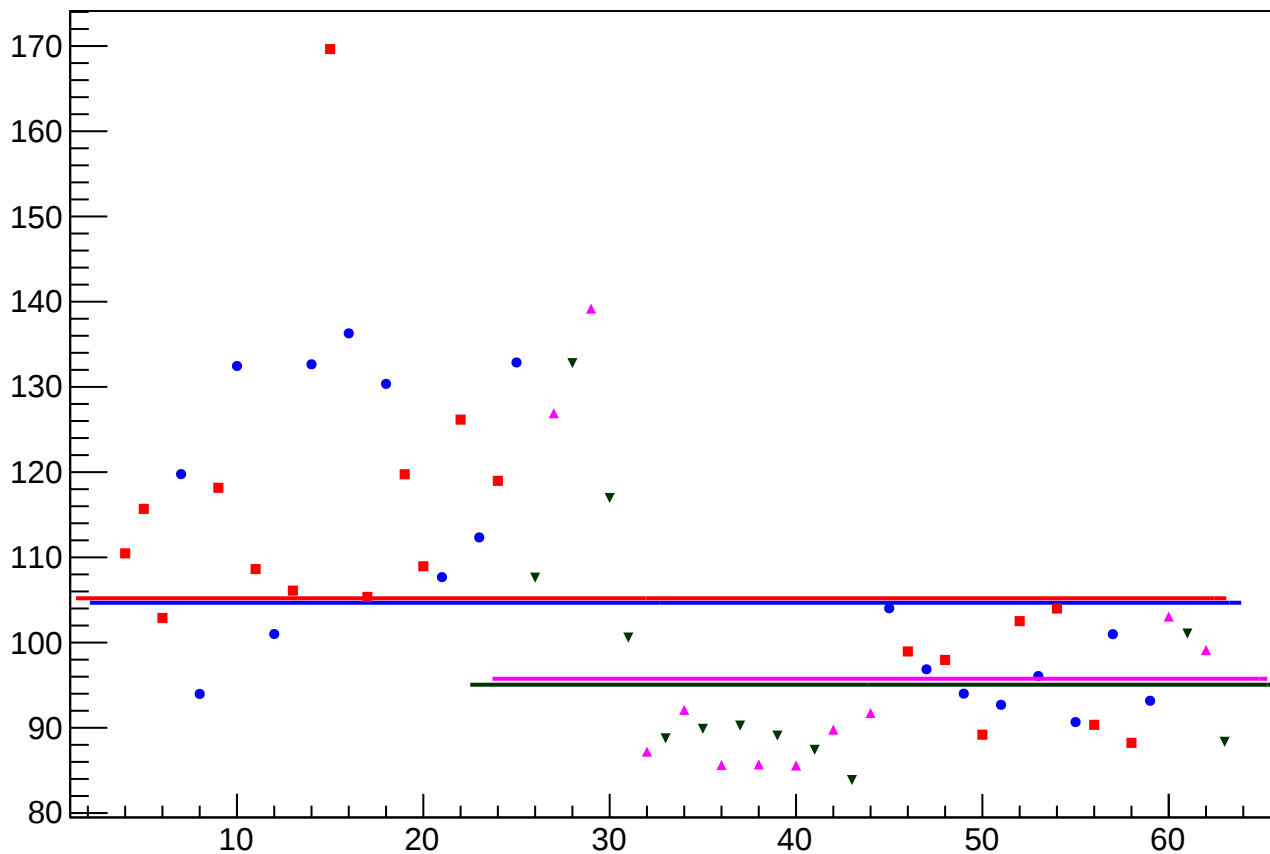
Right Out: 3338.926 ± 34.258 χ^2/NDF : 31361.1/18

Left In: -37731.865 ± 38.430 χ^2/NDF : 168817.0/10

-3990.507 ± 24.724 χ^2/NDF : 512718.0/29

-14846.730 ± 25.572 χ^2/NDF : 836607.0/29

asym_bpm2i01WS_rms vs slug



Right In: 104.677 $\pm$ 0.023 χ^2 /NDF: 431749.6/17

Left Out: 95.057 $\pm$ 0.027 χ^2 /NDF:209587.3/11

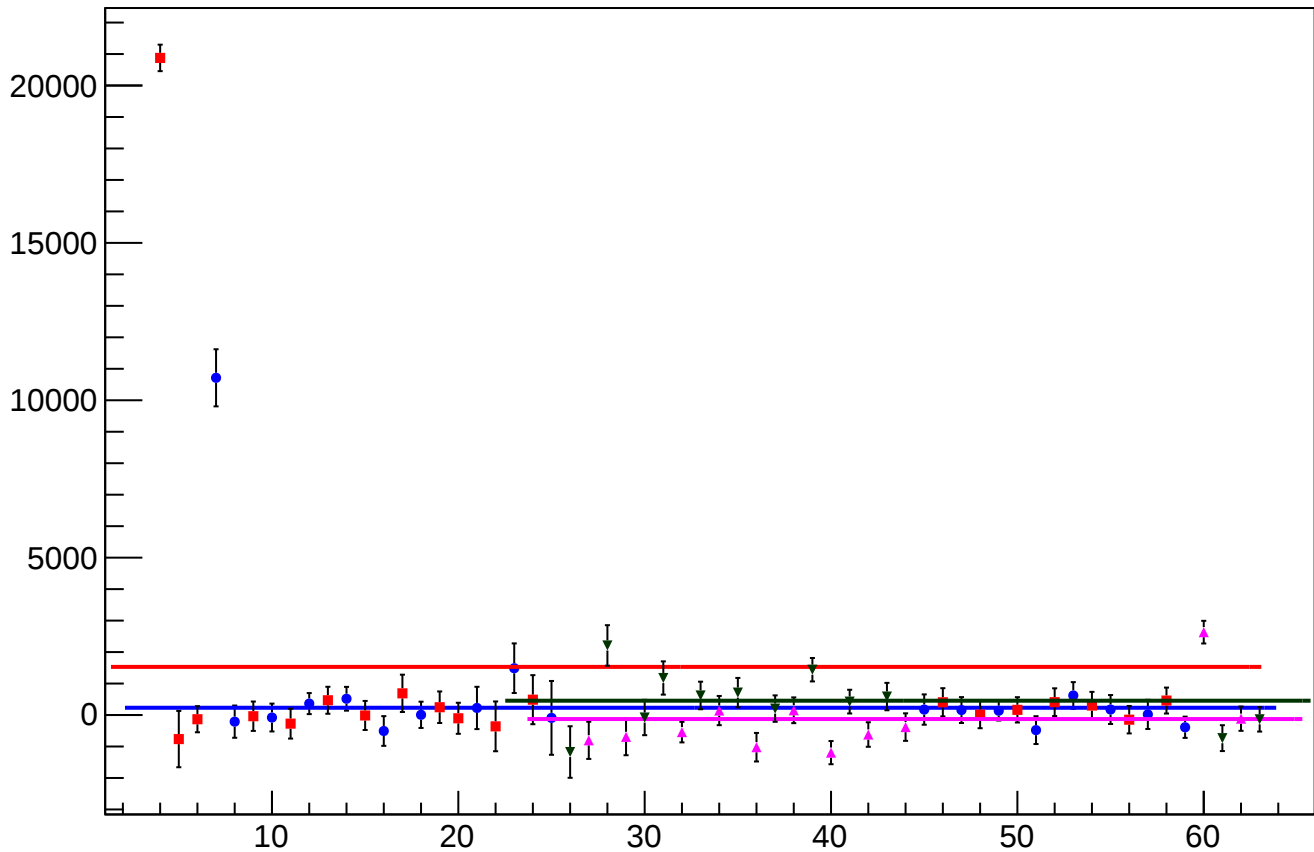
Right Out: 105.200 $\pm$ 0.024 χ^2 /NDF: 336723.5/18

Left In: 95.755 $\pm$ 0.027 χ^2 /NDF:321619.0/10

100.781 $\pm$ 0.017 χ^2 /NDF: 714303.4/29

101.018 $\pm$ 0.018 χ^2 /NDF: 725658.9/29

asym_bpm0i07WS_mean vs slug



Right In: 230.965+/-105.235 χ^2/NDF : 148.0/17

Left Out: 454.931+/-131.111 χ^2/NDF : 32.7/11

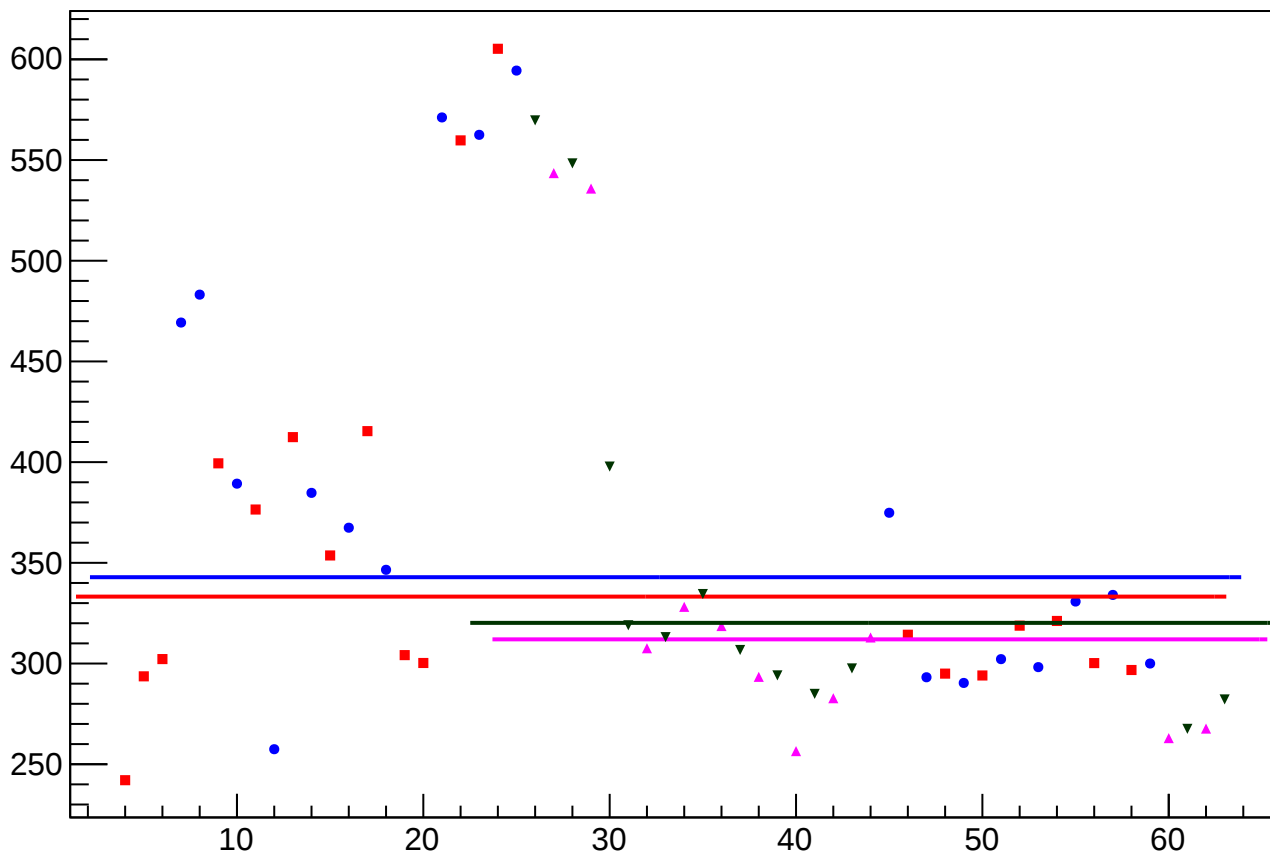
318.719+/-82.069 χ^2/NDF : 182.5/29

Right Out: 1529.045+/-108.949 χ^2/NDF : 2274.0/18

811.829+/-82.044 χ^2/NDF : 2451.9/29

Left In: -127.663+/-124.693 χ^2/NDF : 77.7/10

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 320.191 $\pm$ 0.093 χ^2 /NDF:564044.0/11

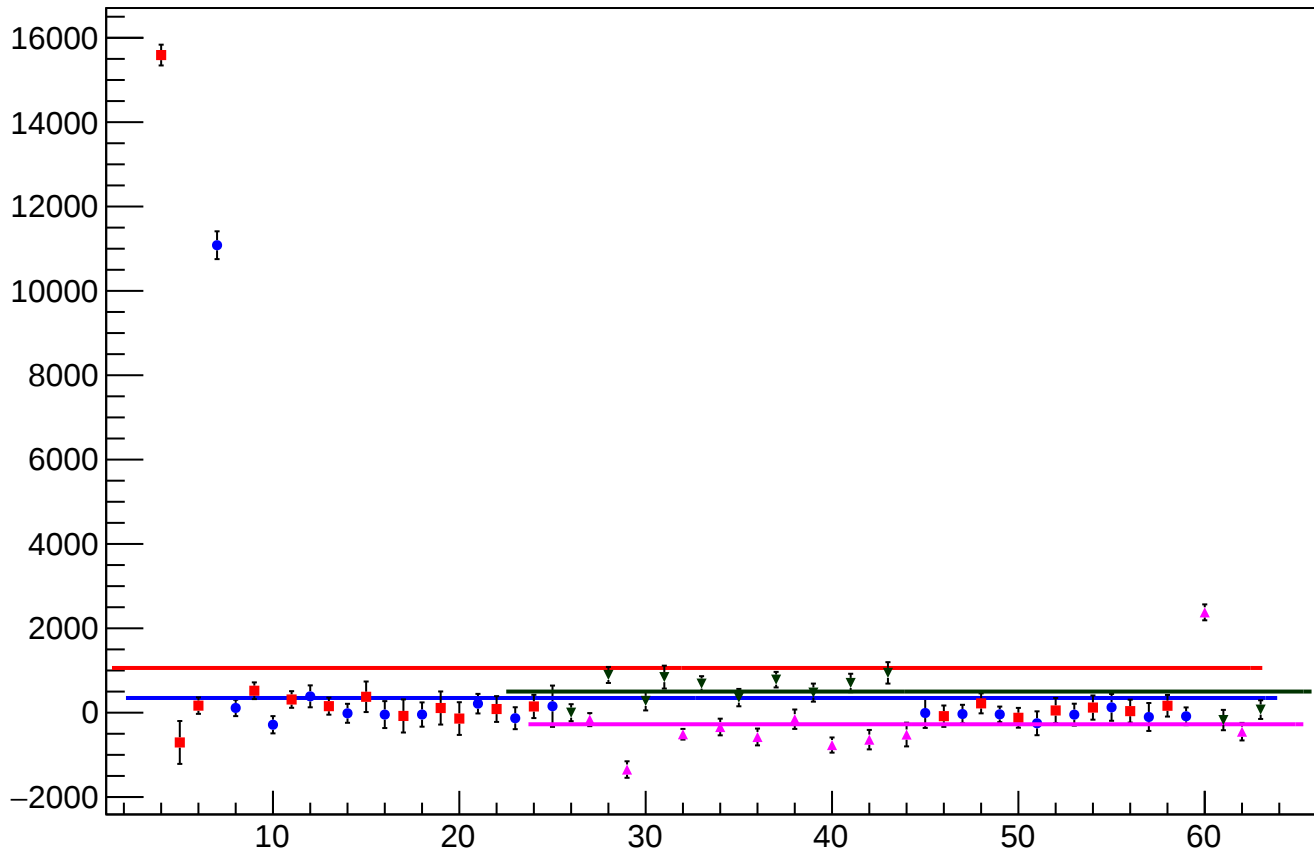
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 312.002 $\pm$ 0.088 χ^2 /NDF:728415.9/10

333.981 $\pm$ 0.058 χ^2 /NDF: 1619045.3/29

324.040 $\pm$ 0.058 χ^2 /NDF: 1530221.9/29

asym_bpm0l01WS_mean vs slug



Right In: 348.196 ± 59.644 χ^2/NDF : 1103.2/17

Left Out: 500.786 ± 61.223 χ^2/NDF : 32.6/11

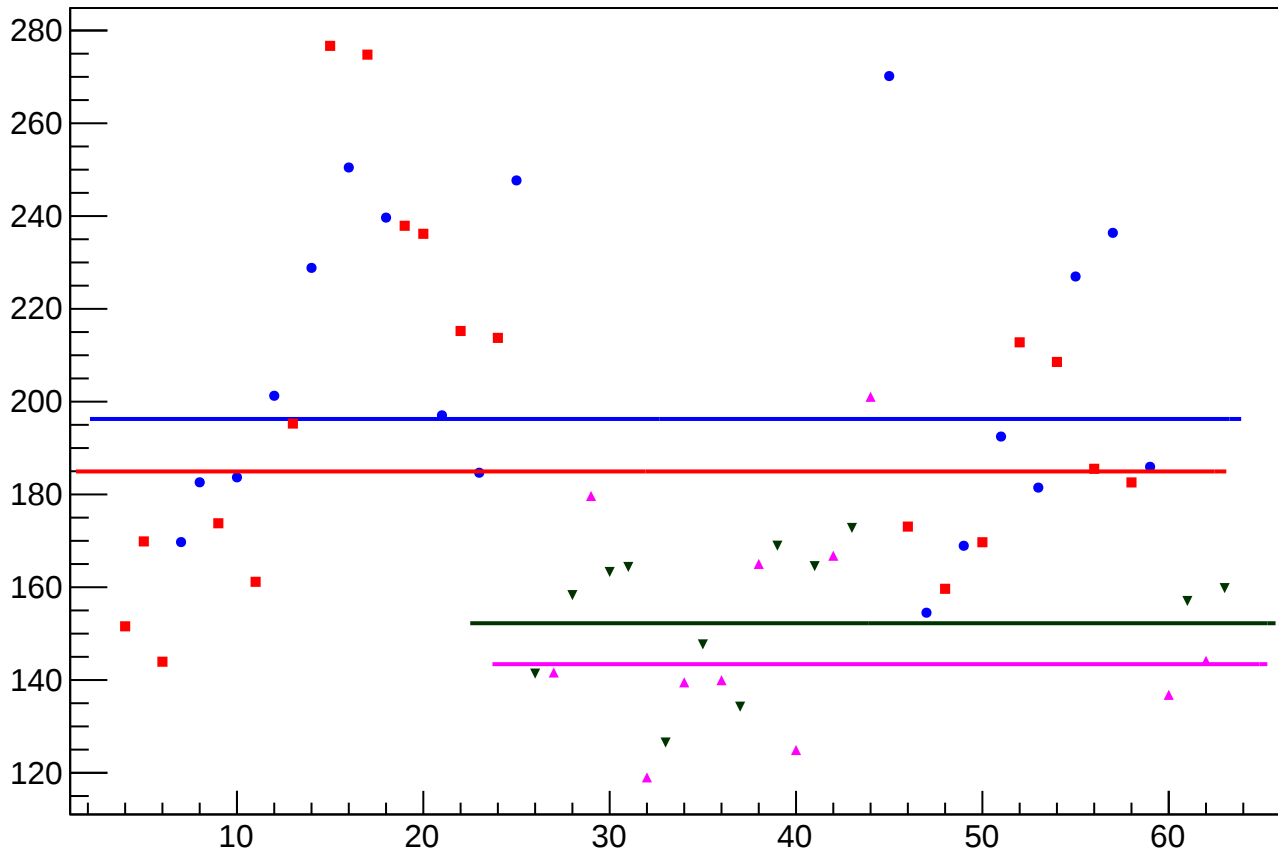
Right Out: 1059.962 ± 60.034 χ^2/NDF : 3708.7/18

Left In: -274.707 ± 56.481 χ^2/NDF : 245.7/10

422.498 ± 42.722 χ^2/NDF : 1139.0/29

351.965 ± 41.137 χ^2/NDF : 4216.6/29

asym_bpm0l01WS_rms vs slug



Right In: 196.269+/-0.042 χ^2/NDF : 466122.9/17

Left Out: 152.241+/-0.043 χ^2/NDF :113830.7/11

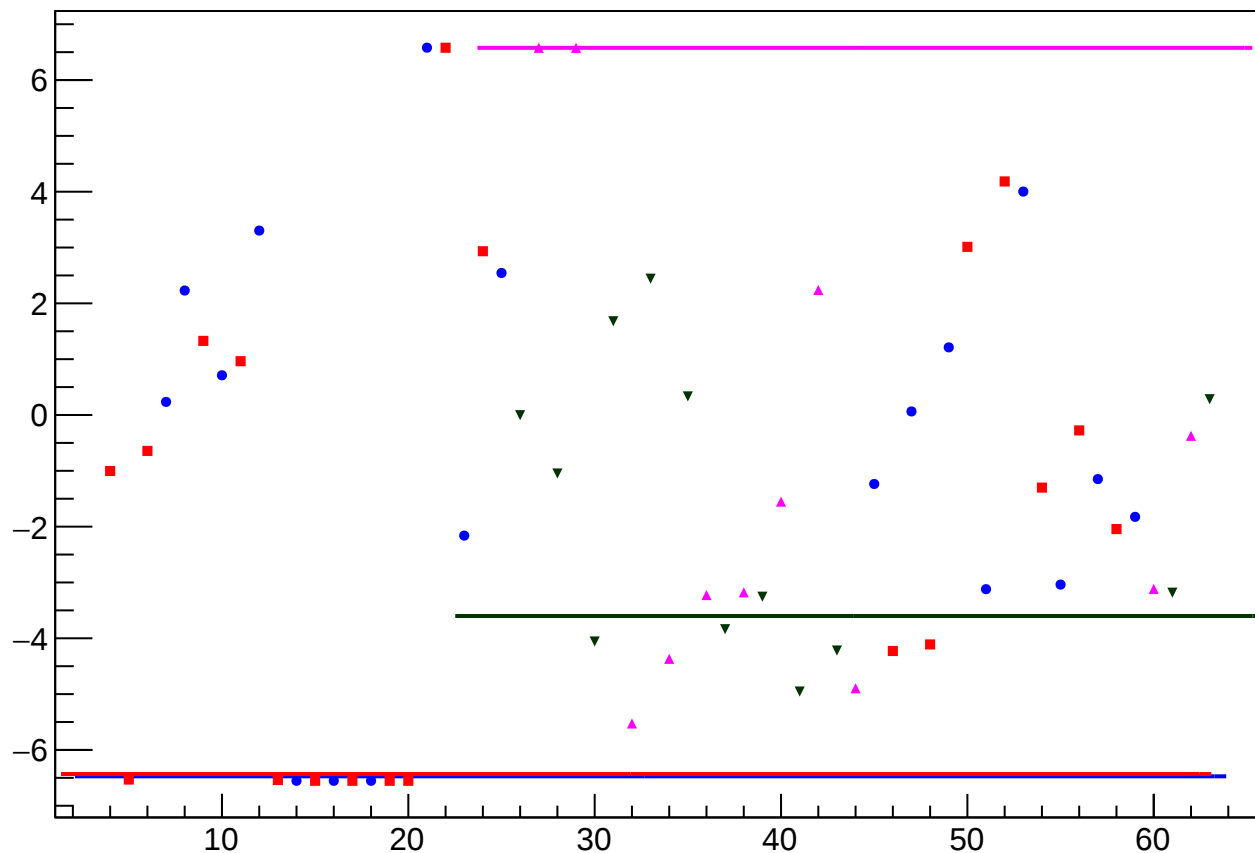
Right Out: 184.956+/-0.042 χ^2/NDF : 580645.4/18

Left In: 143.419+/-0.040 χ^2/NDF :290438.4/10

174.830+/-0.030 χ^2/NDF : 1110620.3/29

162.922+/-0.029 χ^2/NDF : 1378967.6/29

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847949322838.5/17

Left Out: -3.601+/-0.001 χ^2/NDF : 6296699.2/11

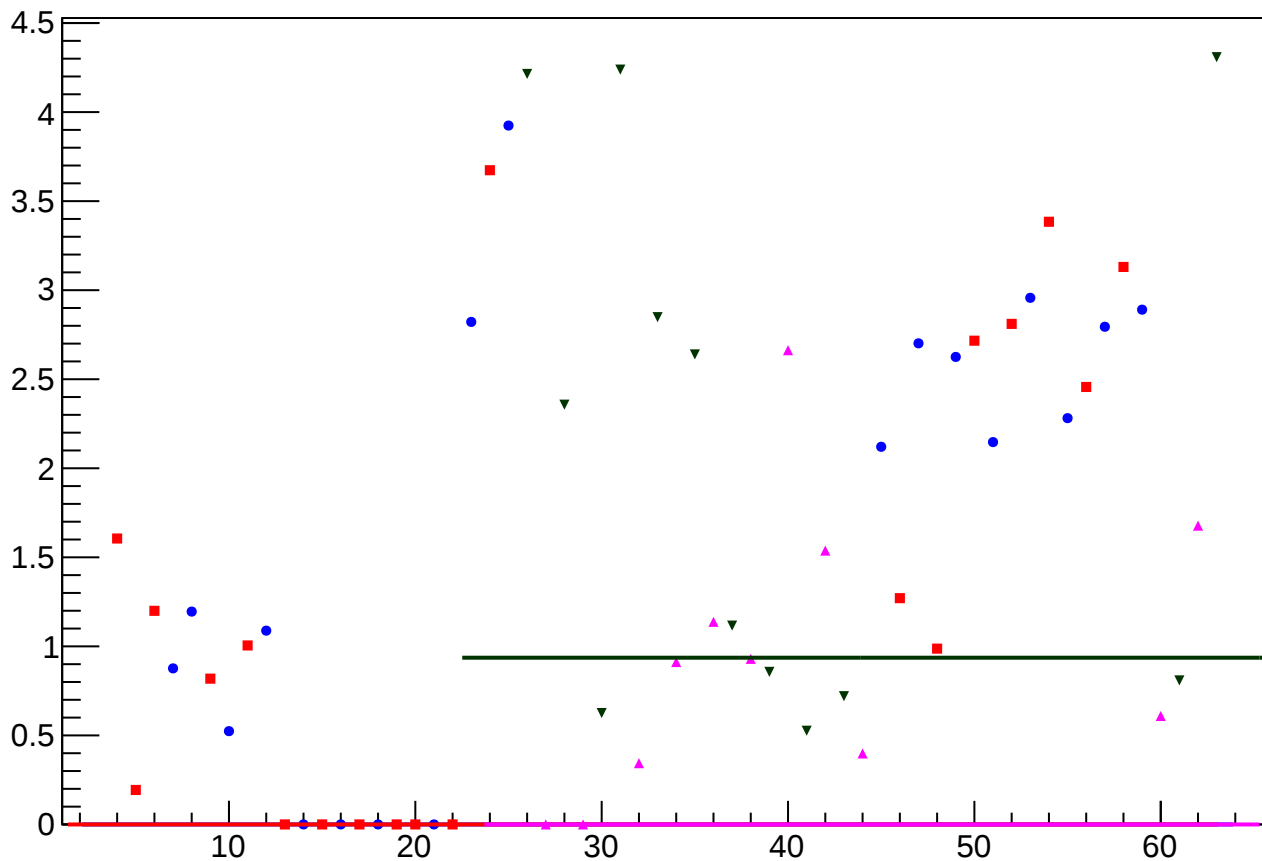
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.578+/-0.000 χ^2/NDF : 909595876.2/10

-6.473+/-0.000 χ^2/NDF : 127847981229331.1/2

-6.315+/-0.000 χ^2/NDF : 297092142819061.1/2

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 0.936+/-0.000 χ^2/NDF : 3126712.7/11

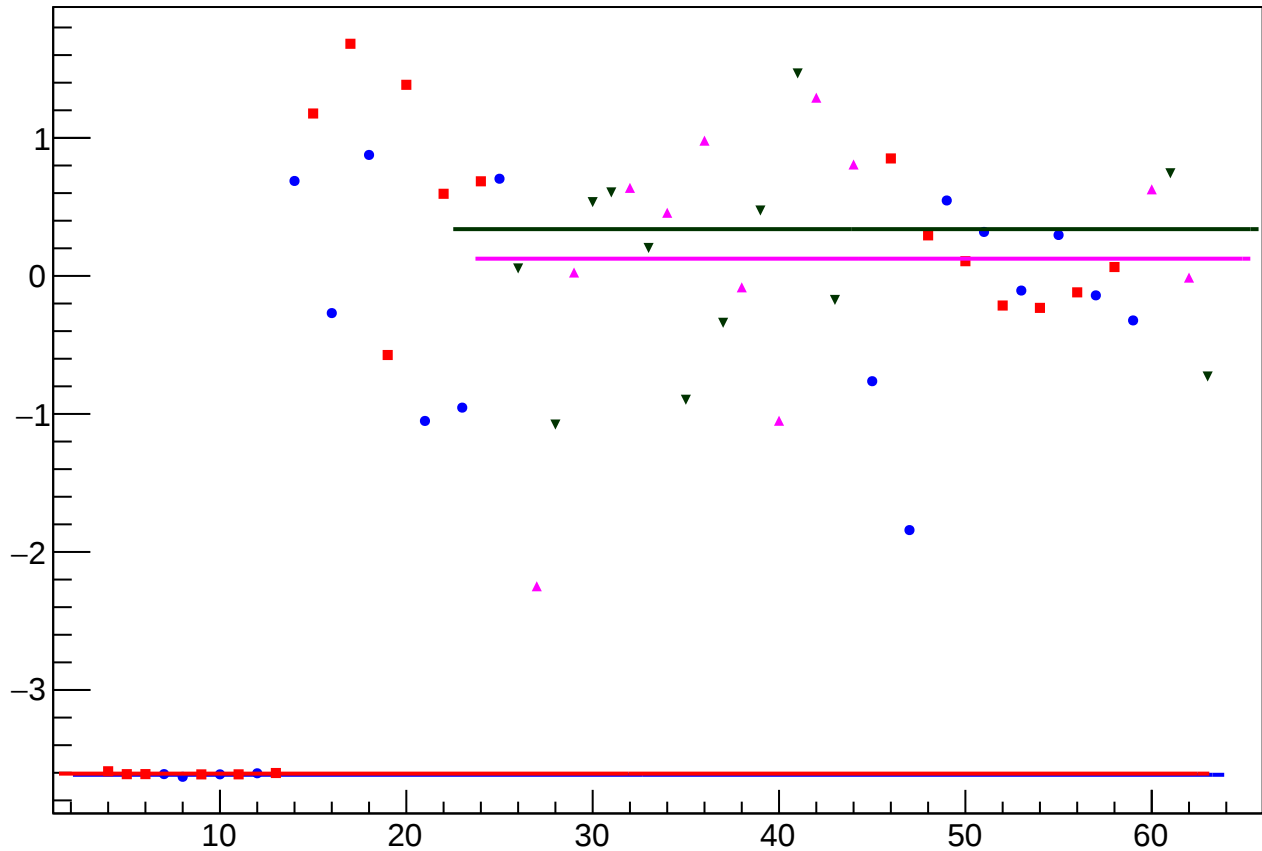
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 6118289.1/10

0.000+/-0.000 χ^2/NDF : 20484106.6/29

0.000+/-0.000 χ^2/NDF : 15744978.2/29

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49086055221.8/17

Left Out: 0.339+/-0.000 χ^2/NDF : 7049854.1/11

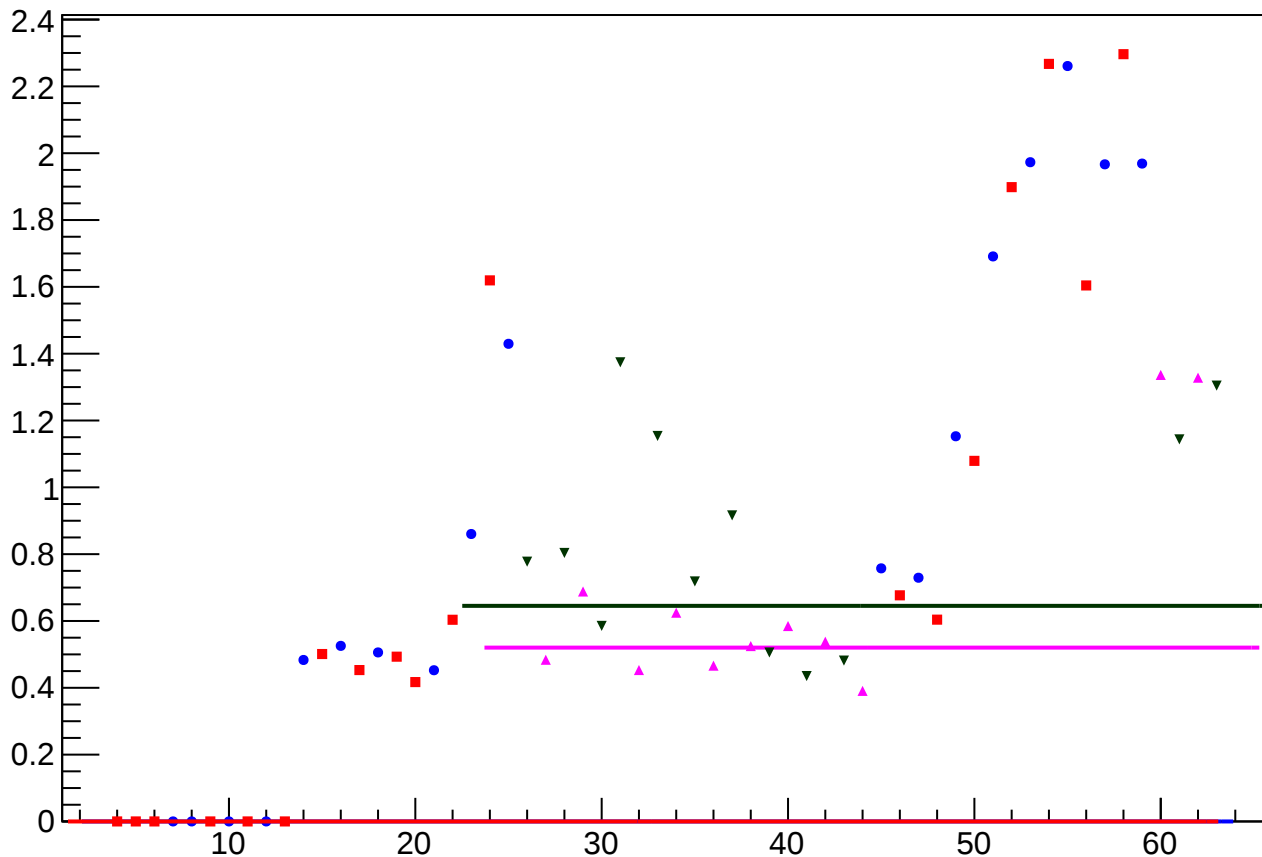
-3.614+/-0.000 χ^2/NDF : 49248392972.3/29

Right Out: -3.606+/-0.000 χ^2/NDF : 37792758949.6/18

-3.606+/-0.000 χ^2/NDF : 38040454130.5/29

Left In: 0.125+/-0.000 χ^2/NDF : 20194335.5/10

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 13780215.8/17

Left Out: 0.645+/-0.000 χ^2/NDF :1220210.3/11

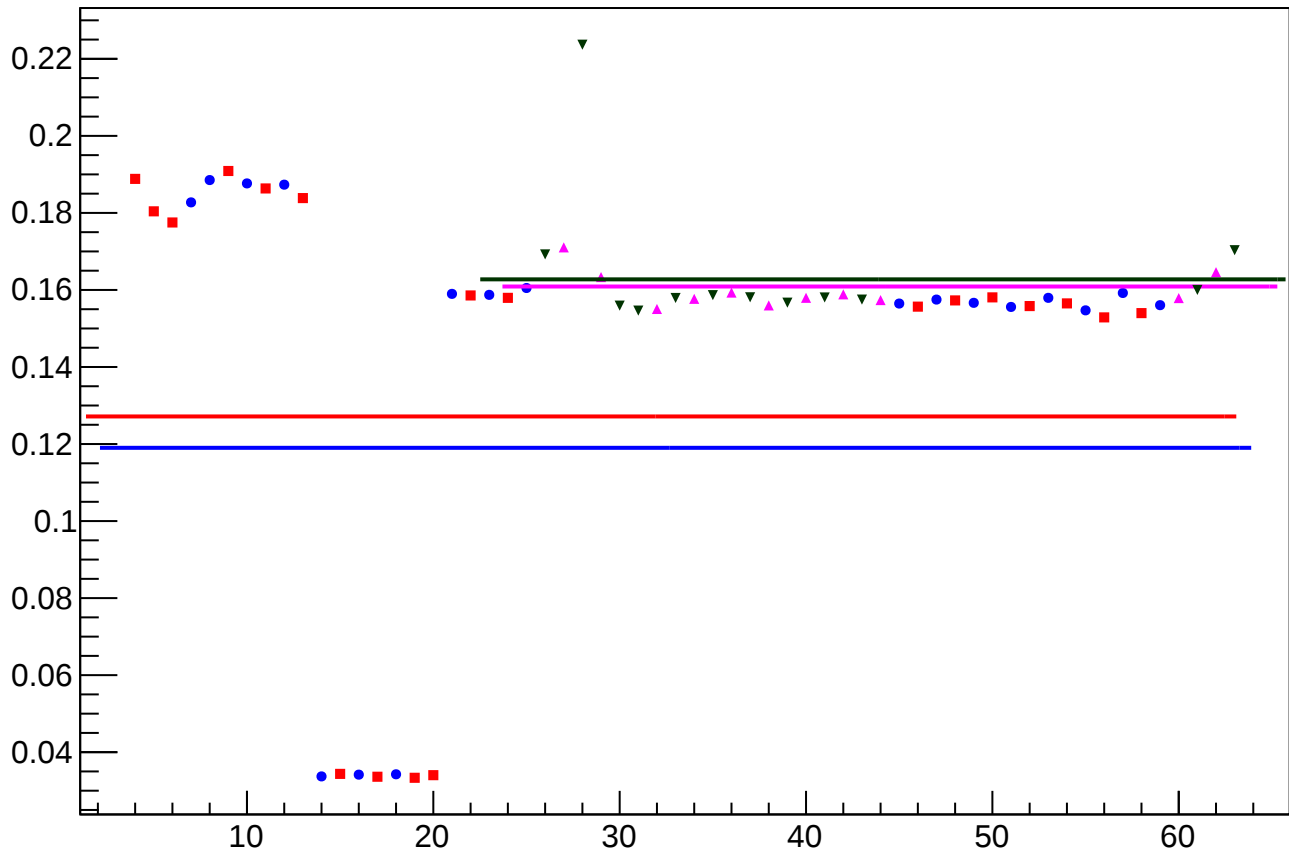
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.520+/-0.000 χ^2/NDF :933930.4/10

0.000+/-0.000 χ^2/NDF : 23272684.0/29

0.000+/-0.000 χ^2/NDF : 20311246.7/29

yield_cav4cX_mean vs slug



Right In: 0.119 $\pm$ 0.000 χ^2/NDF : 4974475463.8/17

Left Out: 0.163 $\pm$ 0.000 χ^2/NDF : 102204207.9/11

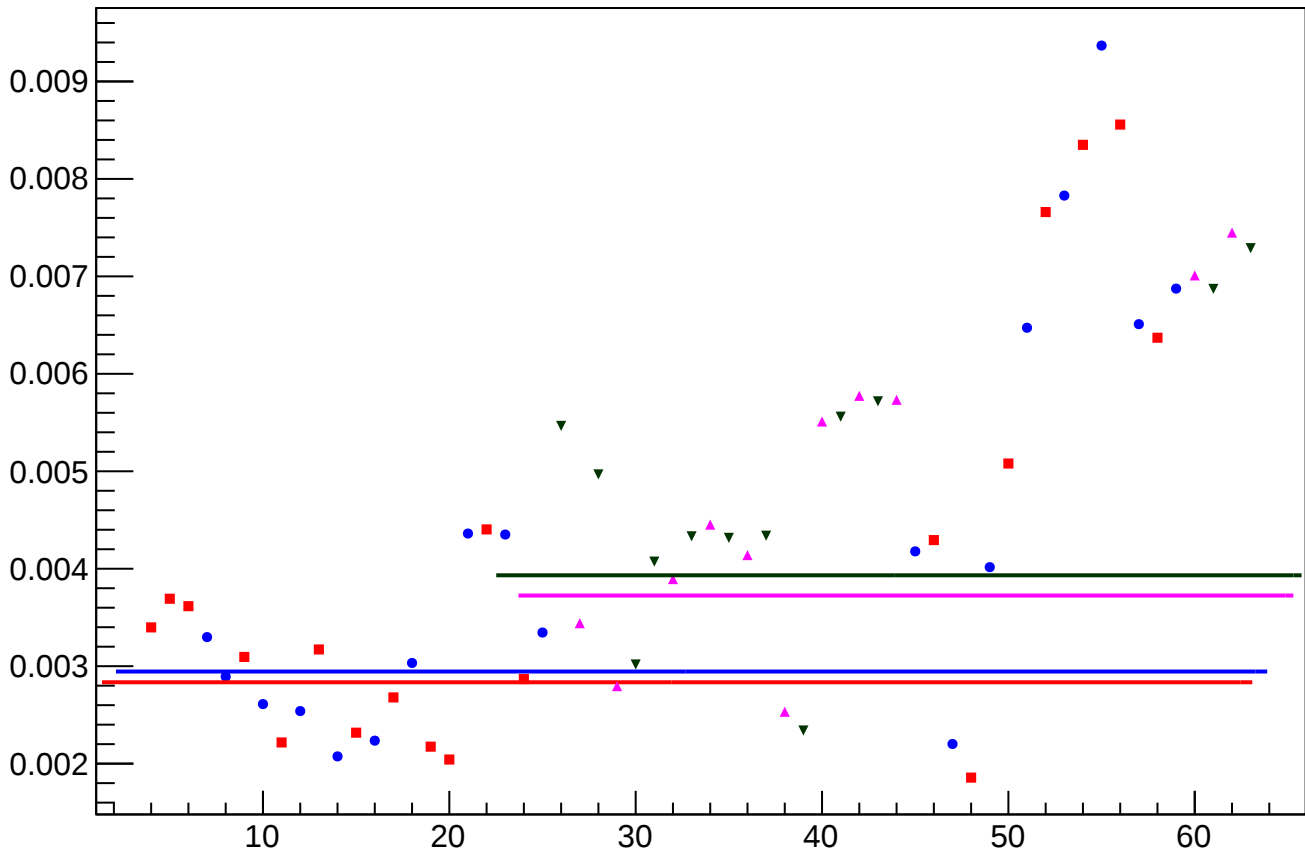
0.130 $\pm$ 0.000 χ^2/NDF : 5570589490.4/29

Right Out: 0.127 $\pm$ 0.000 χ^2/NDF : 4426693928.8/18

0.137 $\pm$ 0.000 χ^2/NDF : 4766852788.3/29

Left In: 0.161 $\pm$ 0.000 χ^2/NDF : 11872788.7/10

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 2985281.5/17

Left Out: 0.004+/-0.000 χ^2/NDF :1262771.5/11

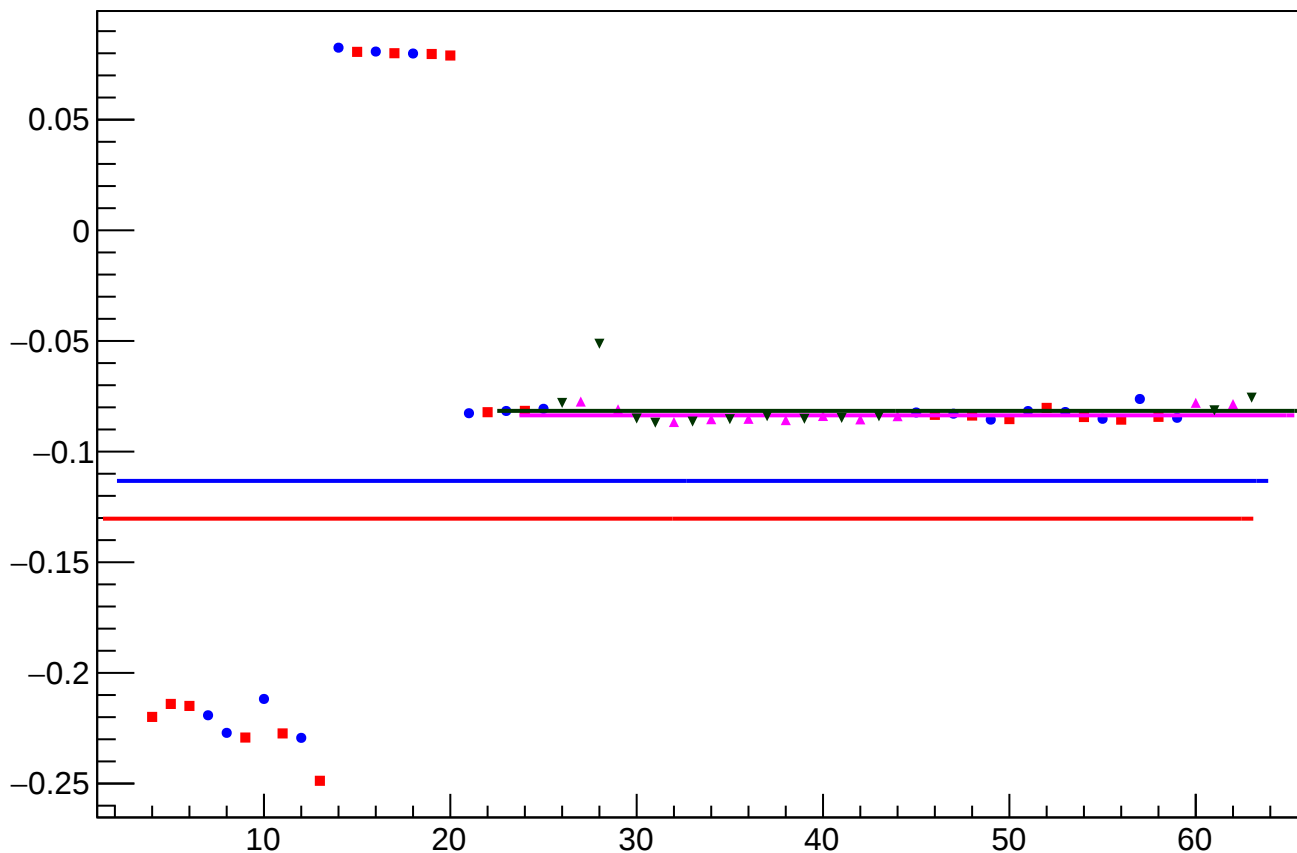
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :1209972.4/10

0.003+/-0.000 χ^2/NDF : 4751728.7/29

0.003+/-0.000 χ^2/NDF : 4364167.4/29

yield_cav4cY_mean vs slug



Right In: -0.113+/-0.000 χ^2/NDF : 9694608559.9/17

Left Out: -0.082+/-0.000 χ^2/NDF : 36065582.0/11

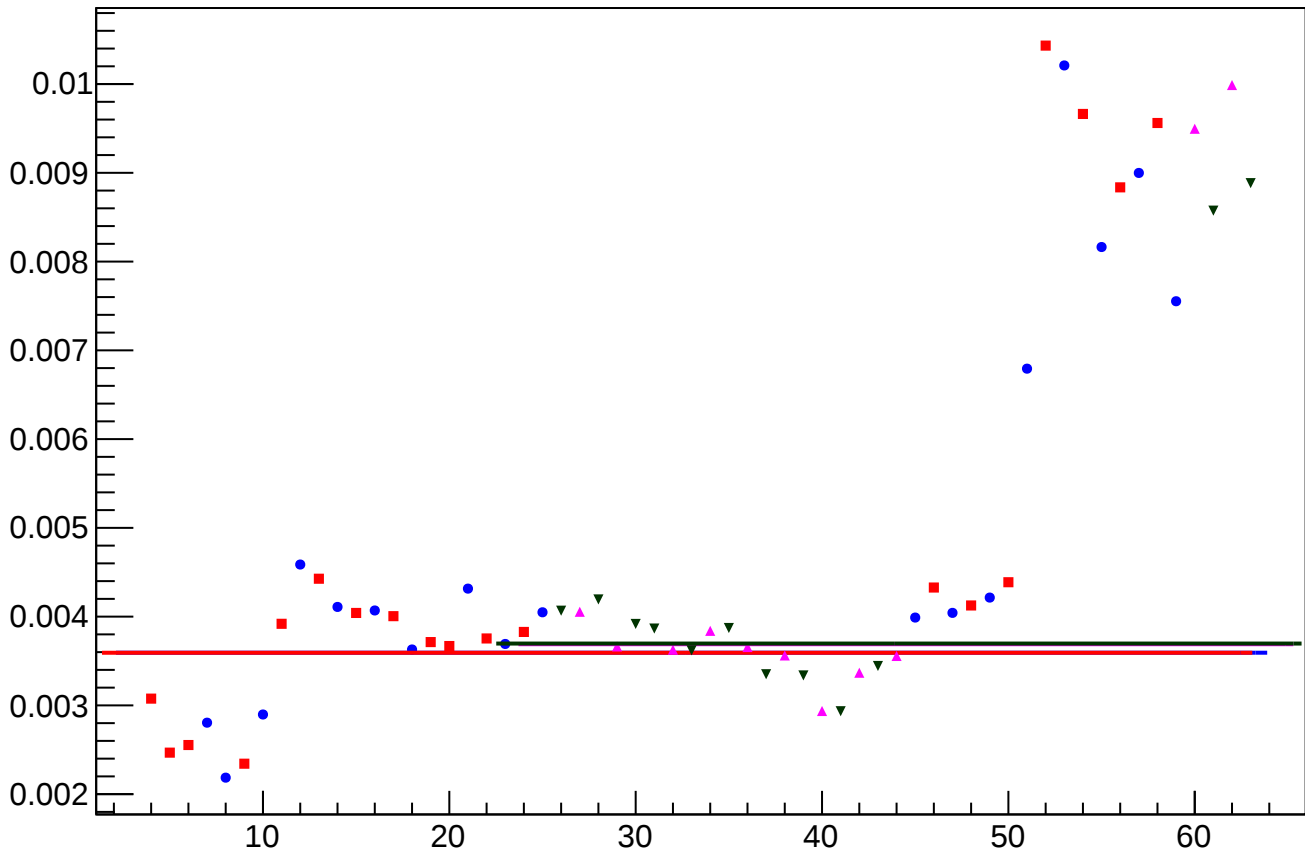
Right Out: -0.130+/-0.000 χ^2/NDF : 8867144829.5/18

Left In: -0.084+/-0.000 χ^2/NDF : 3768492.4/10

-0.102+/-0.000 χ^2/NDF : 9991221976.9/29

-0.111+/-0.000 χ^2/NDF : 9432662962.5/29

yield_cav4cY_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 2636393.6/17

Left Out: 0.004+/-0.000 χ^2/NDF :681593.1/11

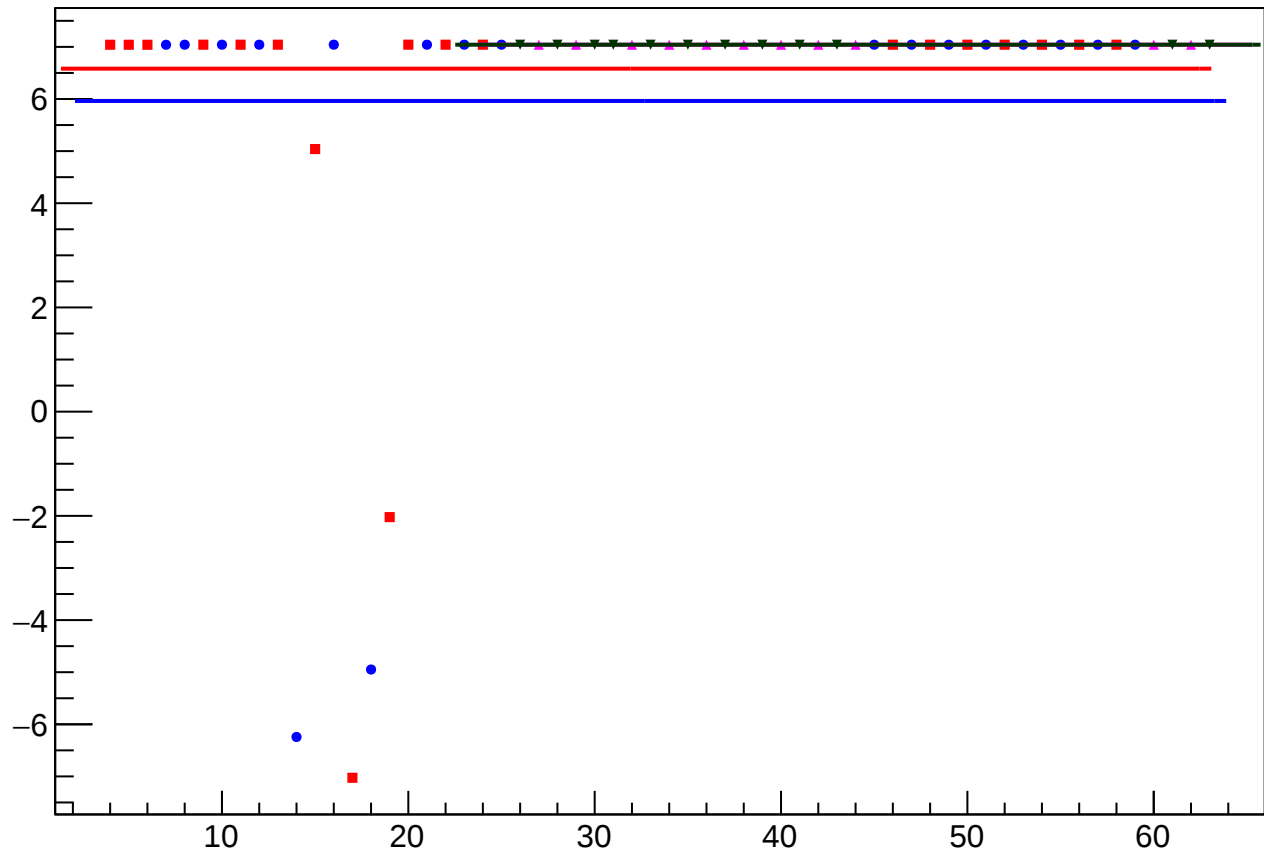
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :697152.1/10

0.004+/-0.000 χ^2/NDF : 3323526.8/29

0.004+/-0.000 χ^2/NDF : 2927247.3/29

yield_cav4dX_mean vs slug



Right In: 5.962 $\pm$ 0.000 χ^2 /NDF: 4616105002600912.0/17

Left Out: 7.042 $\pm$ 0.000 χ^2 /NDF: 2912521.8/11

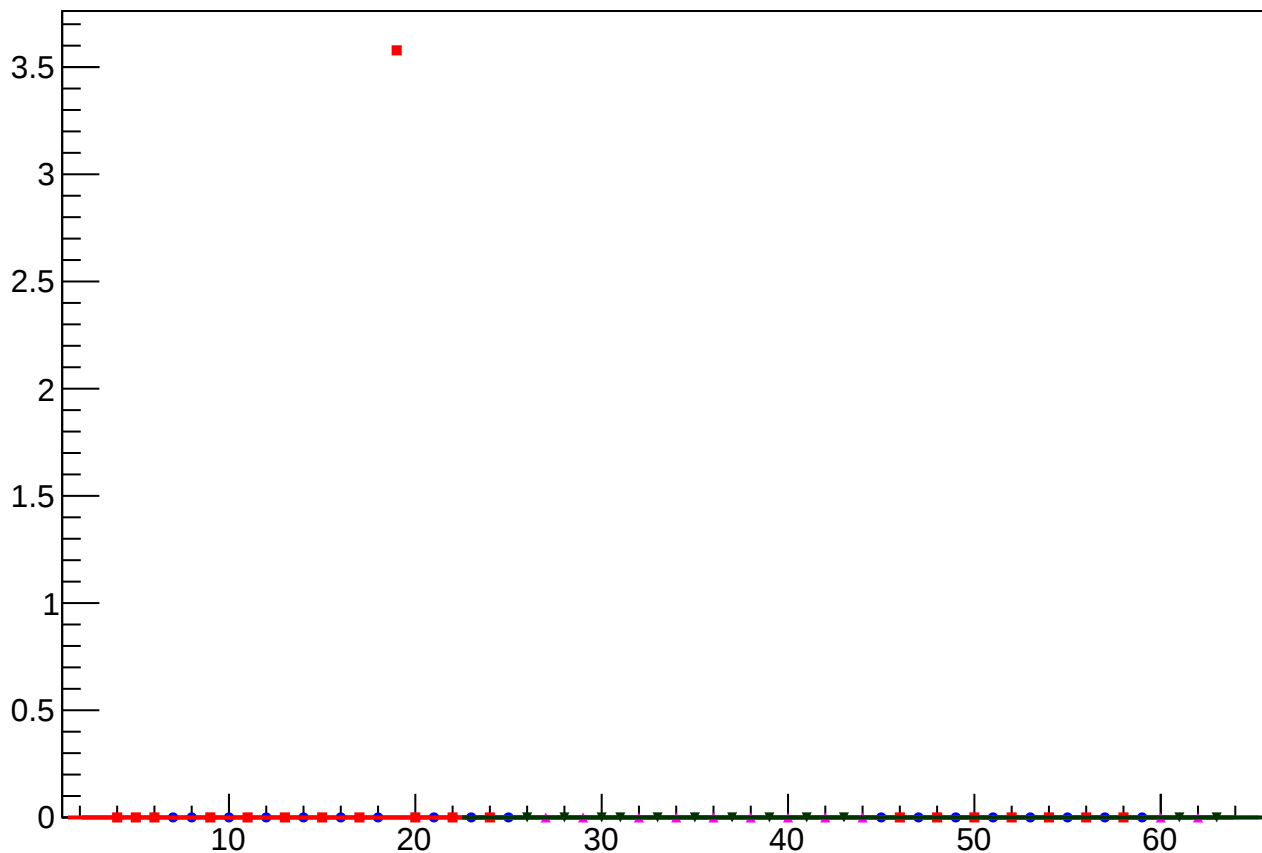
Right Out: 6.582 $\pm$ 0.000 χ^2 /NDF: 1856853993700647.2/18

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 2148612.5/10

6.393 $\pm$ 0.000 χ^2 /NDF: 4782205261529733.0/2

6.791 $\pm$ 0.000 χ^2 /NDF: 1886229084655339.5/2

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4282.3/17

Left Out: 0.000+/-0.000 χ^2/NDF :1664.2/11

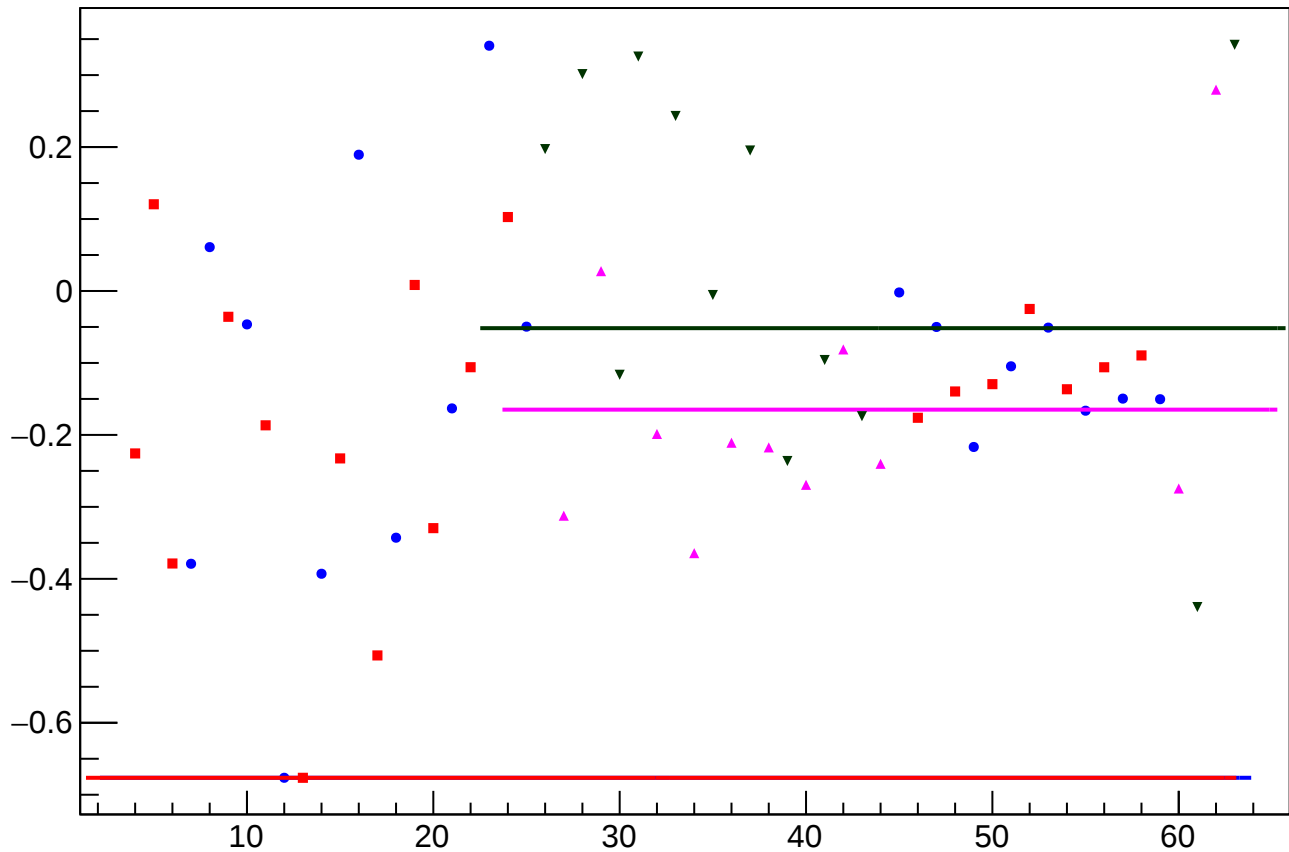
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF :1931.5/10

0.000+/-0.000 χ^2/NDF : 7340.9/29

0.000+/-0.000 χ^2/NDF : 702896.3/29

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 266364367.2/17

Left Out: -0.052+/-0.000 χ^2/NDF : 26542828.0/11

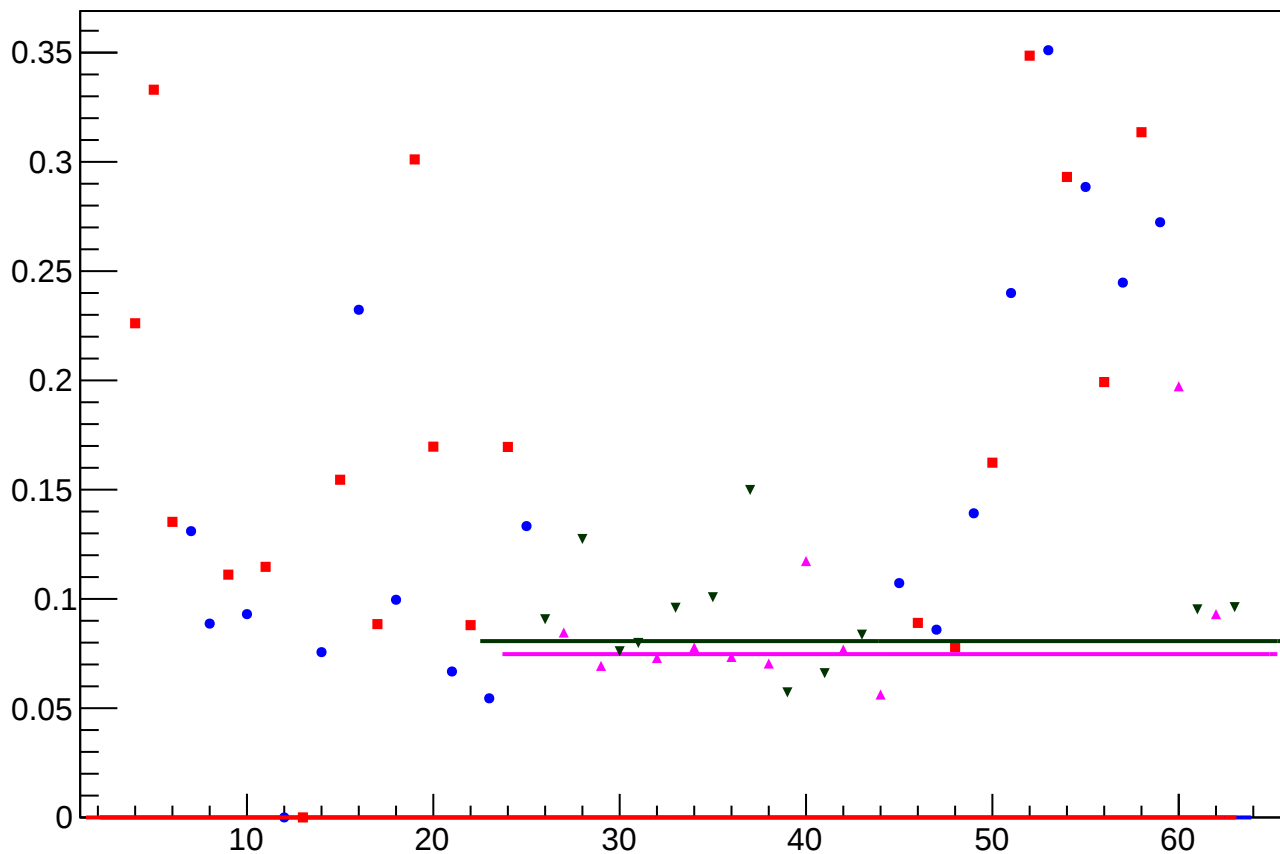
Right Out: -0.676+/-0.000 χ^2/NDF : 102004552.0/18

Left In: -0.165+/-0.000 χ^2/NDF : 15446217.3/10

-0.676+/-0.000 χ^2/NDF : 499474028.6/29

-0.676+/-0.000 χ^2/NDF : 300134013.4/29

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16187995.6/17

Left Out: 0.081+/-0.000 χ^2/NDF : 485496.5/11

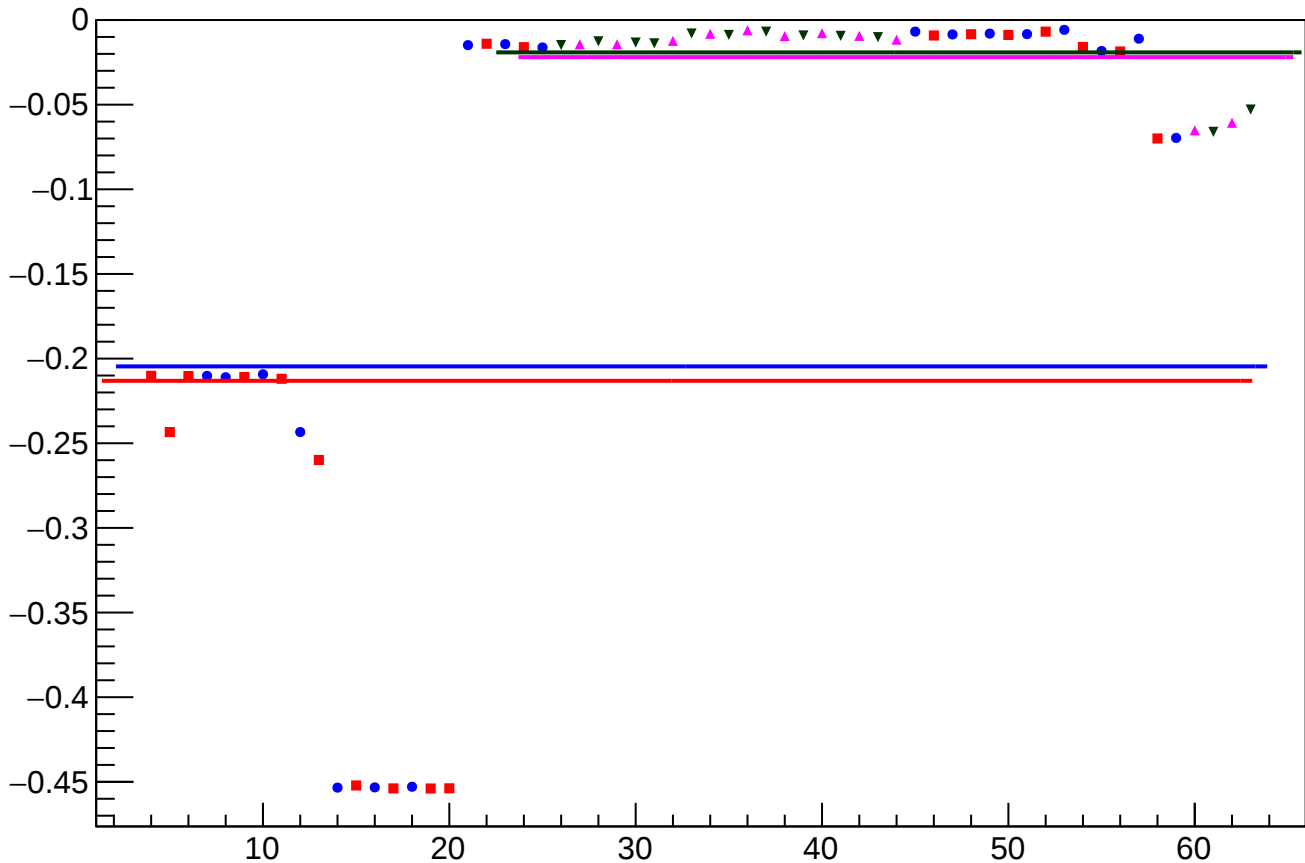
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.075+/-0.000 χ^2/NDF : 486536.9/10

0.000+/-0.000 χ^2/NDF : 23563216.7/29

0.000+/-0.000 χ^2/NDF : 22043176.9/29

yield_bpm4aX_mean vs slug



Right In: -0.205 ± 0.000 χ^2/NDF : 5539981697.6/17

Left Out: -0.019 ± 0.000 χ^2/NDF : 23908566.3/11

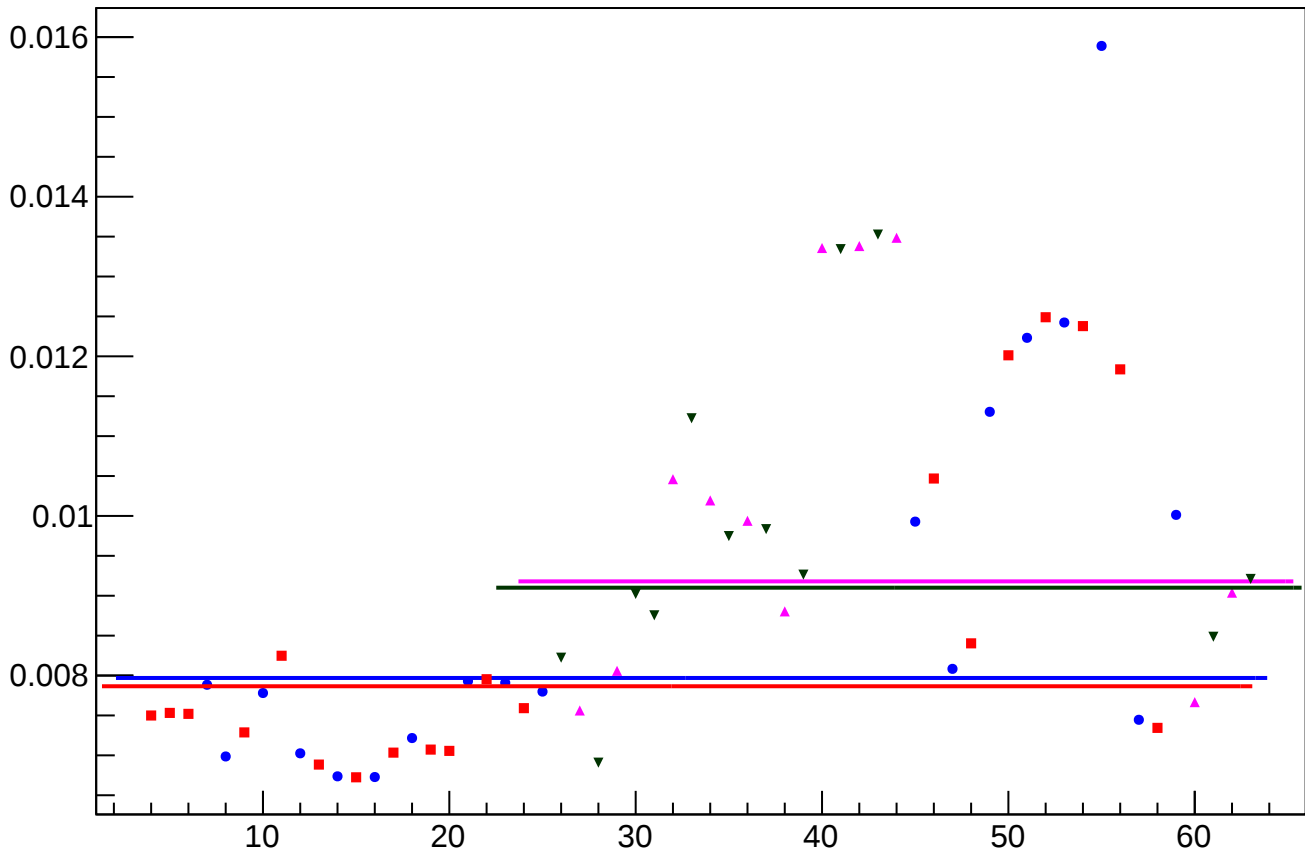
-0.149 ± 0.000 χ^2/NDF : 7294382980.2/29

Right Out: -0.213 ± 0.000 χ^2/NDF : 4142455601.5/18

-0.151 ± 0.000 χ^2/NDF : 6010521582.3/29

Left In: -0.022 ± 0.000 χ^2/NDF : 32239832.6/10

yield_bpm4aX_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 943742.9/17

Left Out: 0.009+/-0.000 χ^2/NDF : 415108.5/11

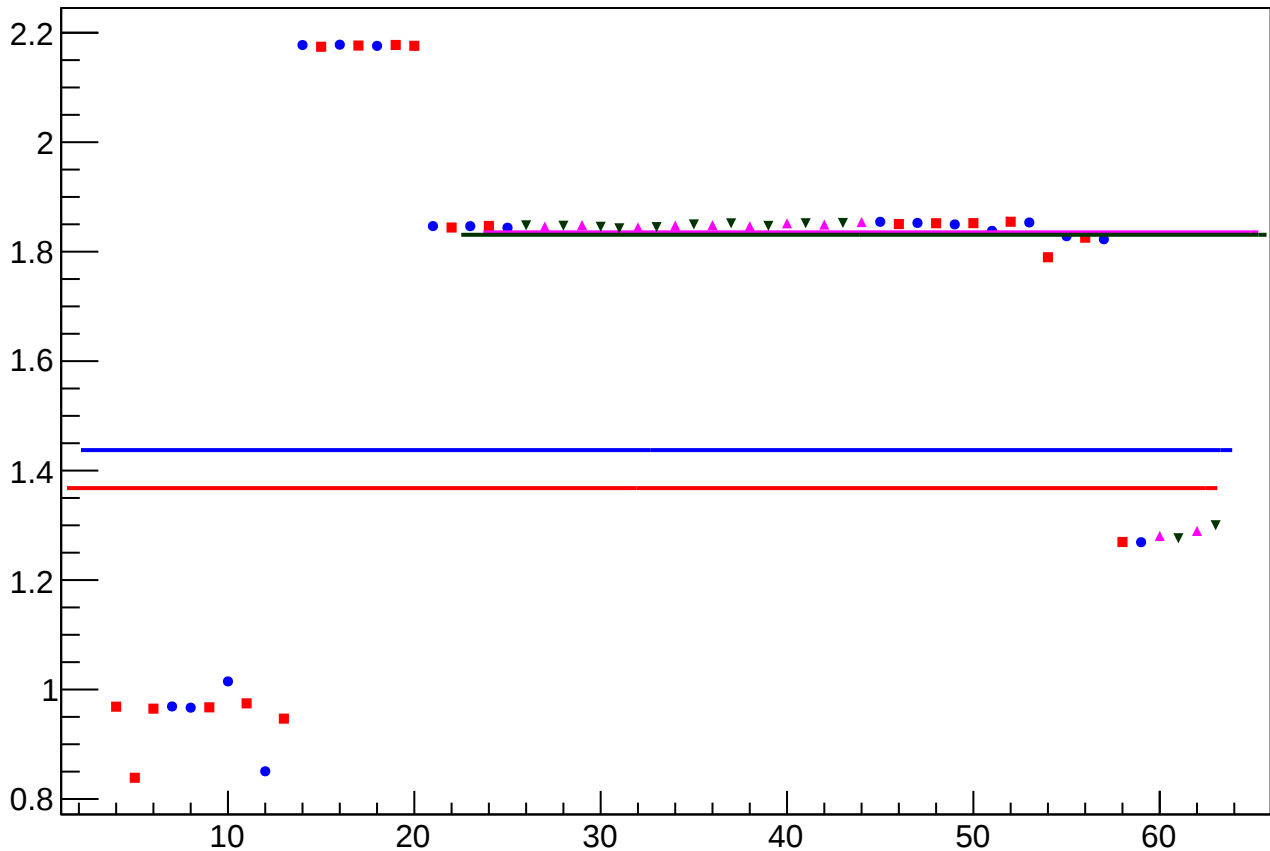
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.009+/-0.000 χ^2/NDF : 497486.2/10

0.008+/-0.000 χ^2/NDF : 1487583.3/29

0.008+/-0.000 χ^2/NDF : 1367149.5/29

yield_bpm4aY_mean vs slug



Right In: 1.437 $\pm$ 0.000 χ^2 /NDF: 14236590294.3/17

Left Out: 1.831 $\pm$ 0.000 χ^2 /NDF:275221585.7/11

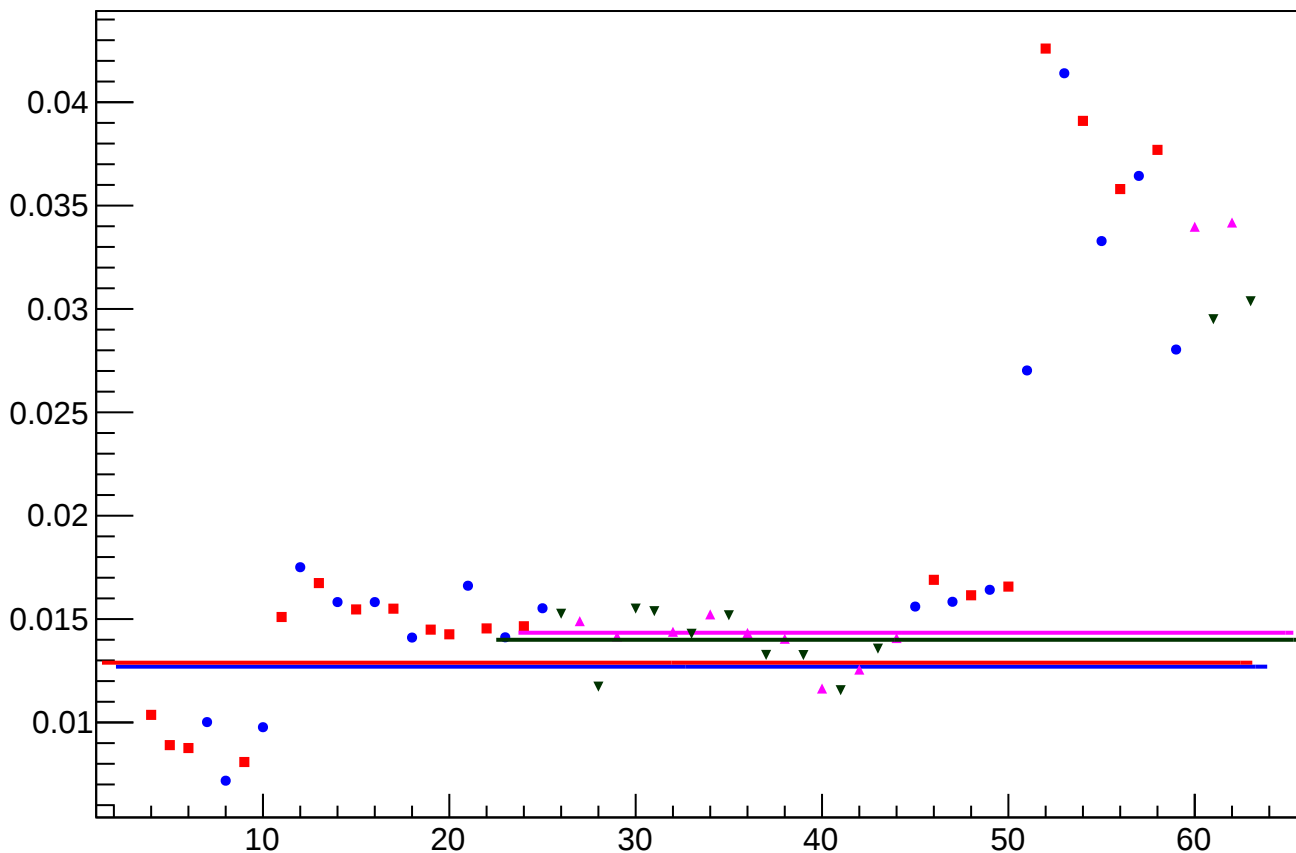
1.573 $\pm$ 0.000 χ^2 /NDF: 17418938241.4/29

Right Out: 1.368 $\pm$ 0.000 χ^2 /NDF: 12592500418.8/18

1.544 $\pm$ 0.000 χ^2 /NDF: 16759784608.1/29

Left In: 1.835 $\pm$ 0.000 χ^2 /NDF:208665528.4/10

yield_bpm4aY_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 3534875.5/17

Left Out: 0.014+/-0.000 χ^2/NDF :594407.0/11

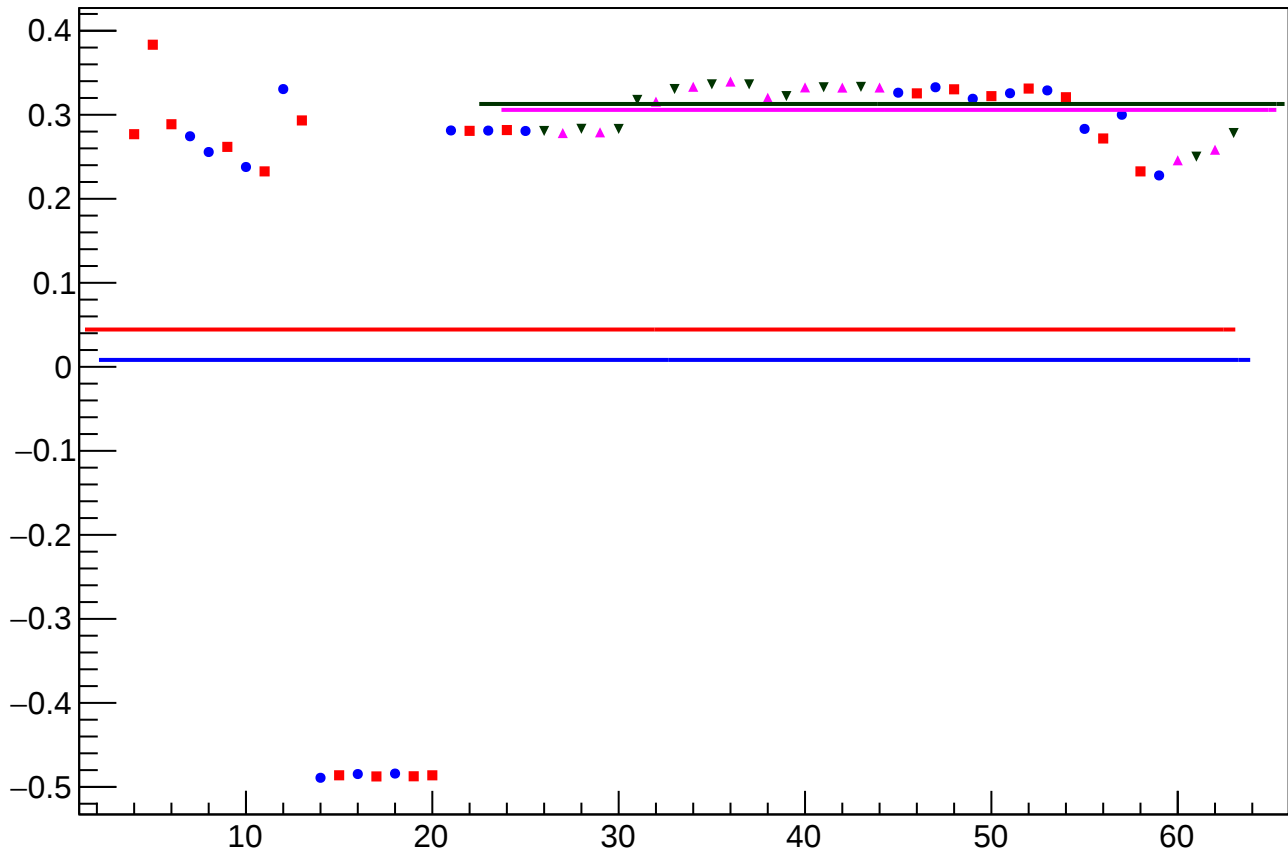
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.014+/-0.000 χ^2/NDF :603410.6/10

0.013+/-0.000 χ^2/NDF : 4192760.0/29

0.013+/-0.000 χ^2/NDF : 3494072.3/29

yield_bpm4eX_mean vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 3589016563.4/17

Left Out: 0.313+/-0.000 χ^2/NDF : 6338189.0/11

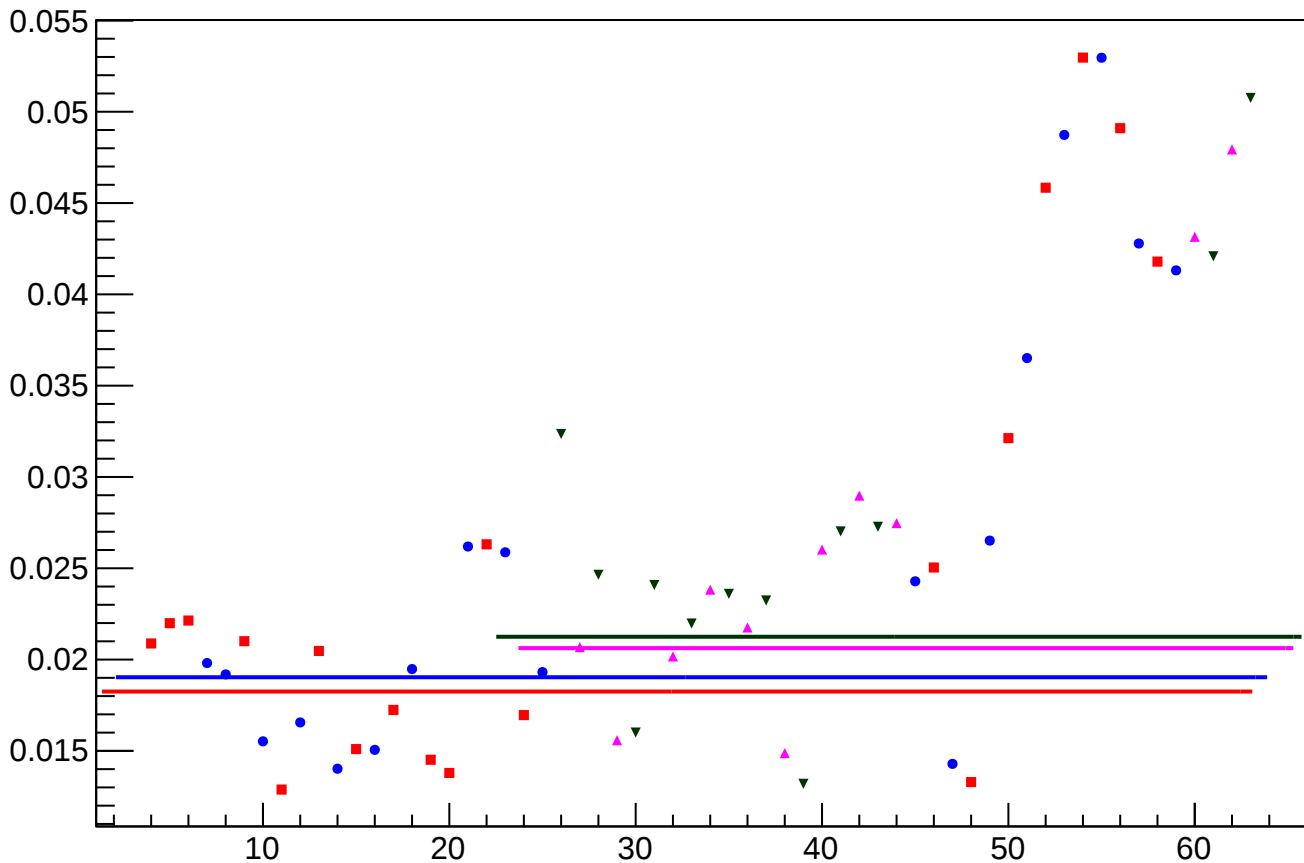
0.103+/-0.000 χ^2/NDF : 4342579573.8/29

Right Out: 0.044+/-0.000 χ^2/NDF : 3156873410.8/18

0.135+/-0.000 χ^2/NDF : 3756979343.8/29

Left In: 0.306+/-0.000 χ^2/NDF : 8799972.9/10

yield_bpm4eX_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2594784.8/17

Left Out: 0.021+/-0.000 χ^2/NDF :1278148.5/11

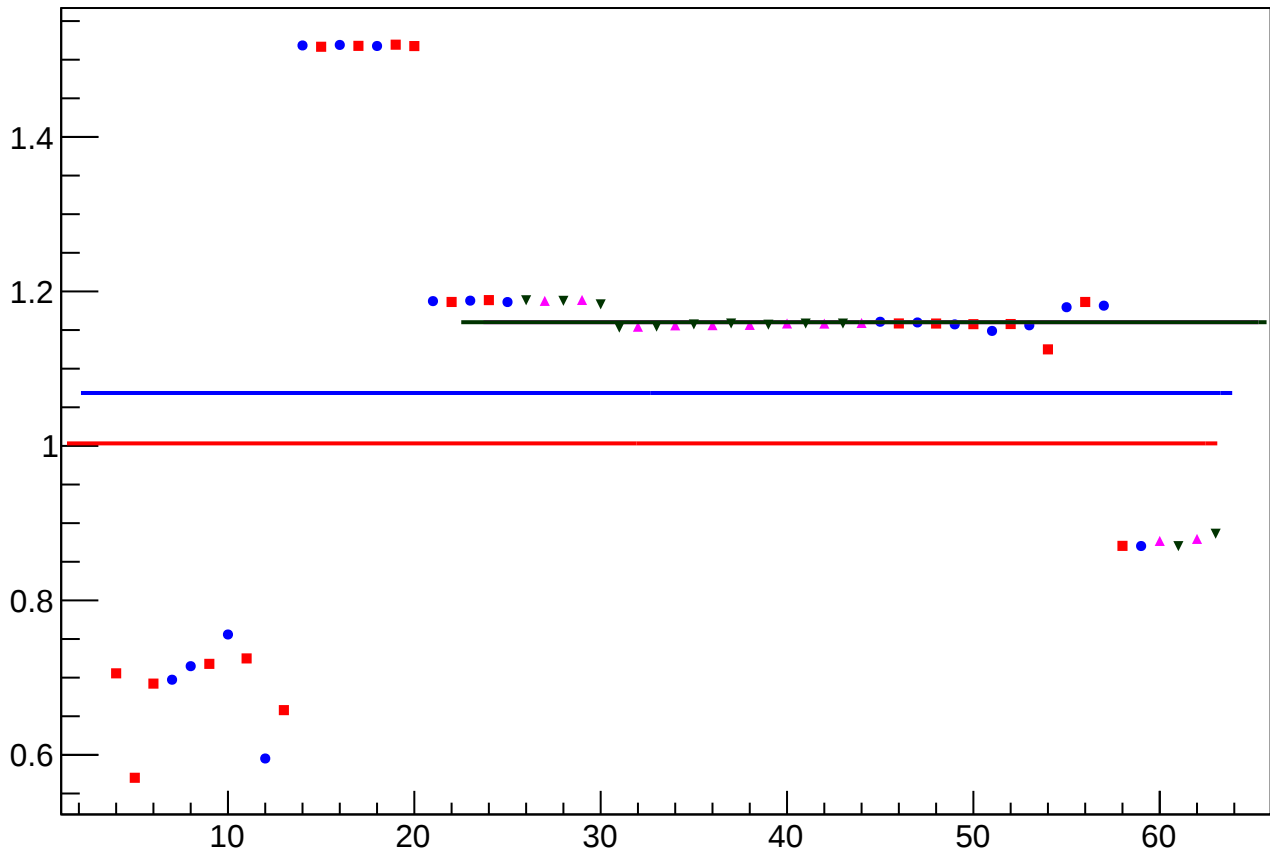
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.021+/-0.000 χ^2/NDF :1052483.2/10

0.020+/-0.000 χ^2/NDF : 3952063.3/29

0.019+/-0.000 χ^2/NDF : 3635770.9/29

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

Left Out: 1.160+/-0.000 χ^2/NDF :111734370.1/11

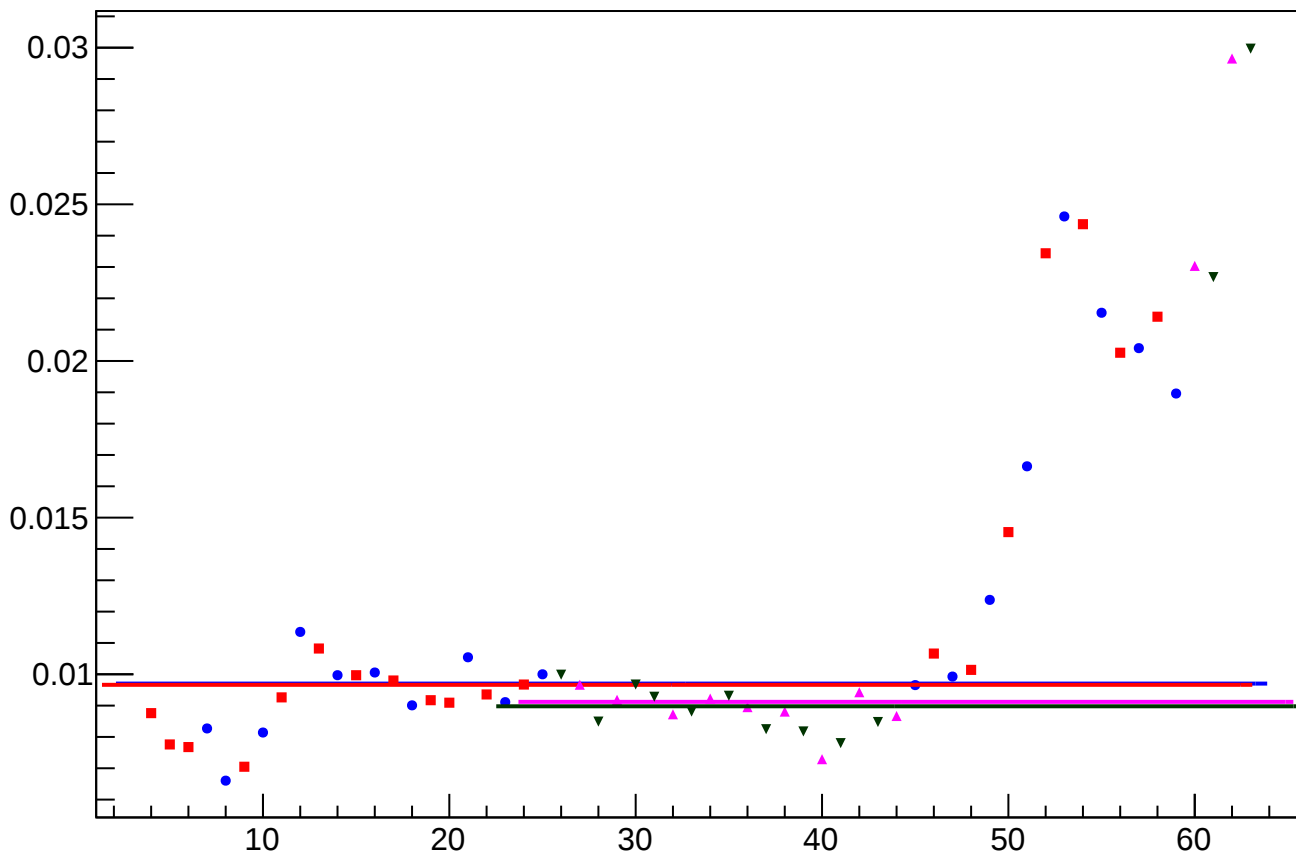
1.105+/-0.000 χ^2/NDF : 11004634546.6/29

Right Out: 1.003+/-0.000 χ^2/NDF : 10291656361.5/18

1.071+/-0.000 χ^2/NDF : 11381097133.3/29

Left In: 1.160+/-0.000 χ^2/NDF :109638375.7/10

yield_bpm4eY_rms vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 1905622.6/17

Left Out: 0.009+/-0.000 χ^2/NDF : 786142.5/11

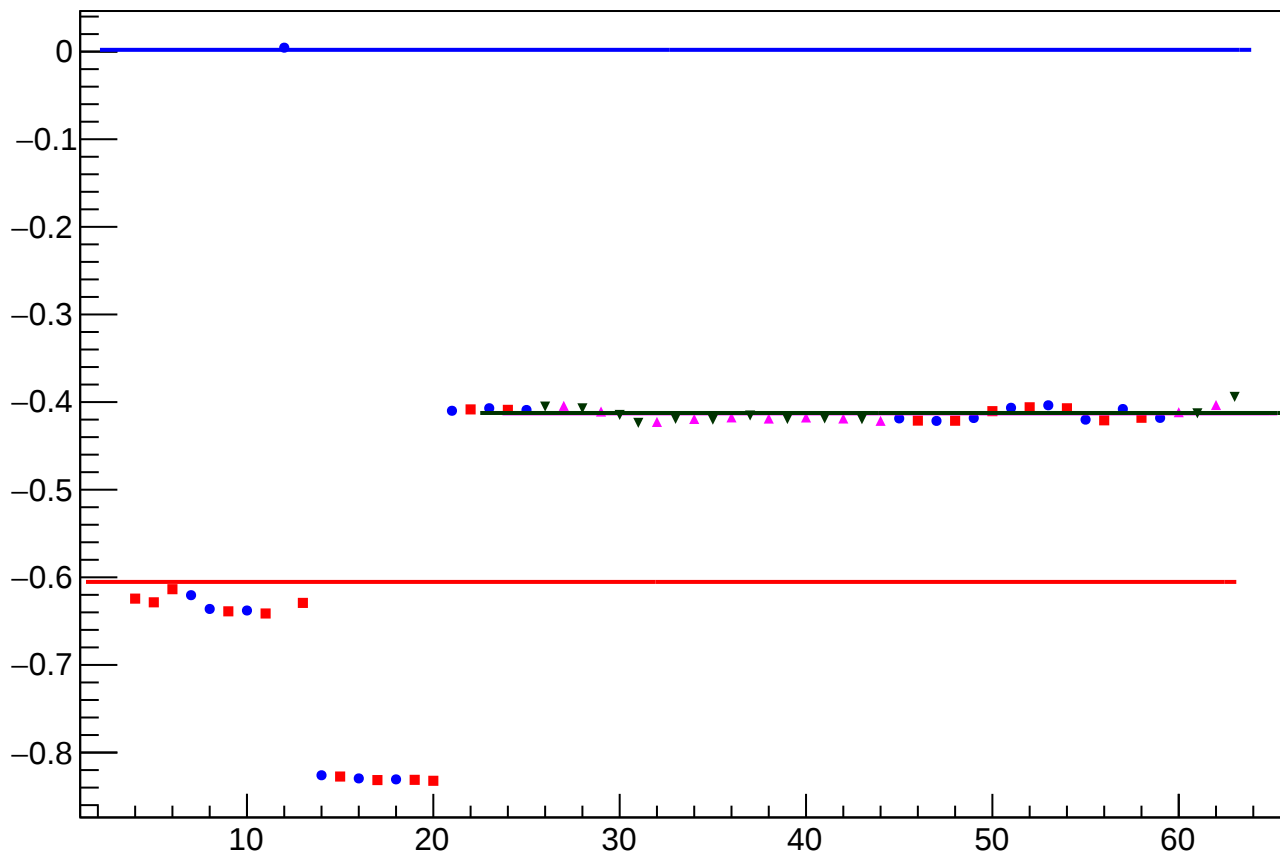
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.009+/-0.000 χ^2/NDF : 743440.1/10

0.009+/-0.000 χ^2/NDF : 2734889.3/29

0.009+/-0.000 χ^2/NDF : 2363964.6/29

yield_bpm4acX_mean vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 59749781854.5/17

Left Out: -0.412+/-0.000 χ^2/NDF : 4639272.5/11

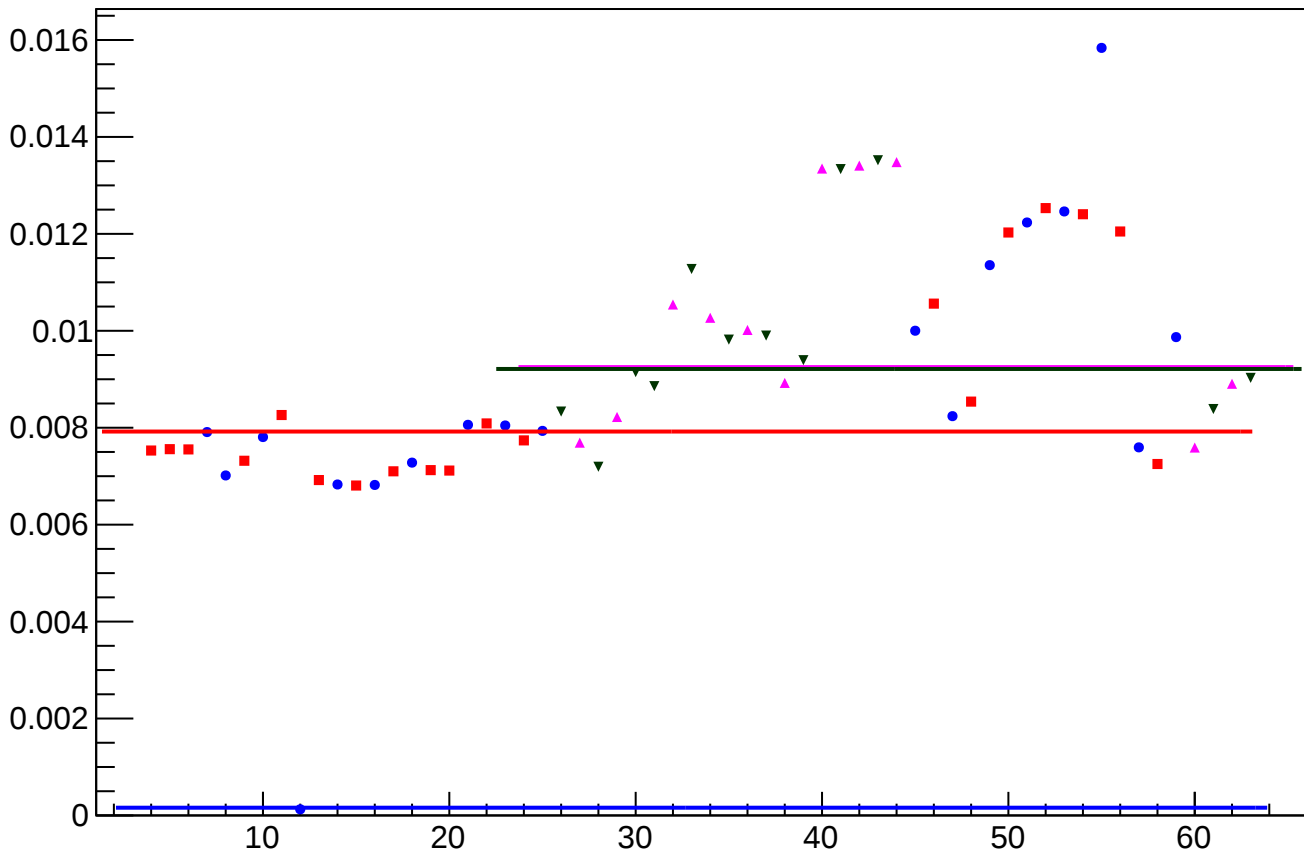
Right Out: -0.605+/-0.000 χ^2/NDF : 3819629229.5/18

Left In: -0.413+/-0.000 χ^2/NDF : 3297304.9/10

0.001+/-0.000 χ^2/NDF : 71855716072.8/29

-0.542+/-0.000 χ^2/NDF : 5655119734.9/29

yield_bpm4acX_rms vs slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 20262517.7/17

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 375271.4/11

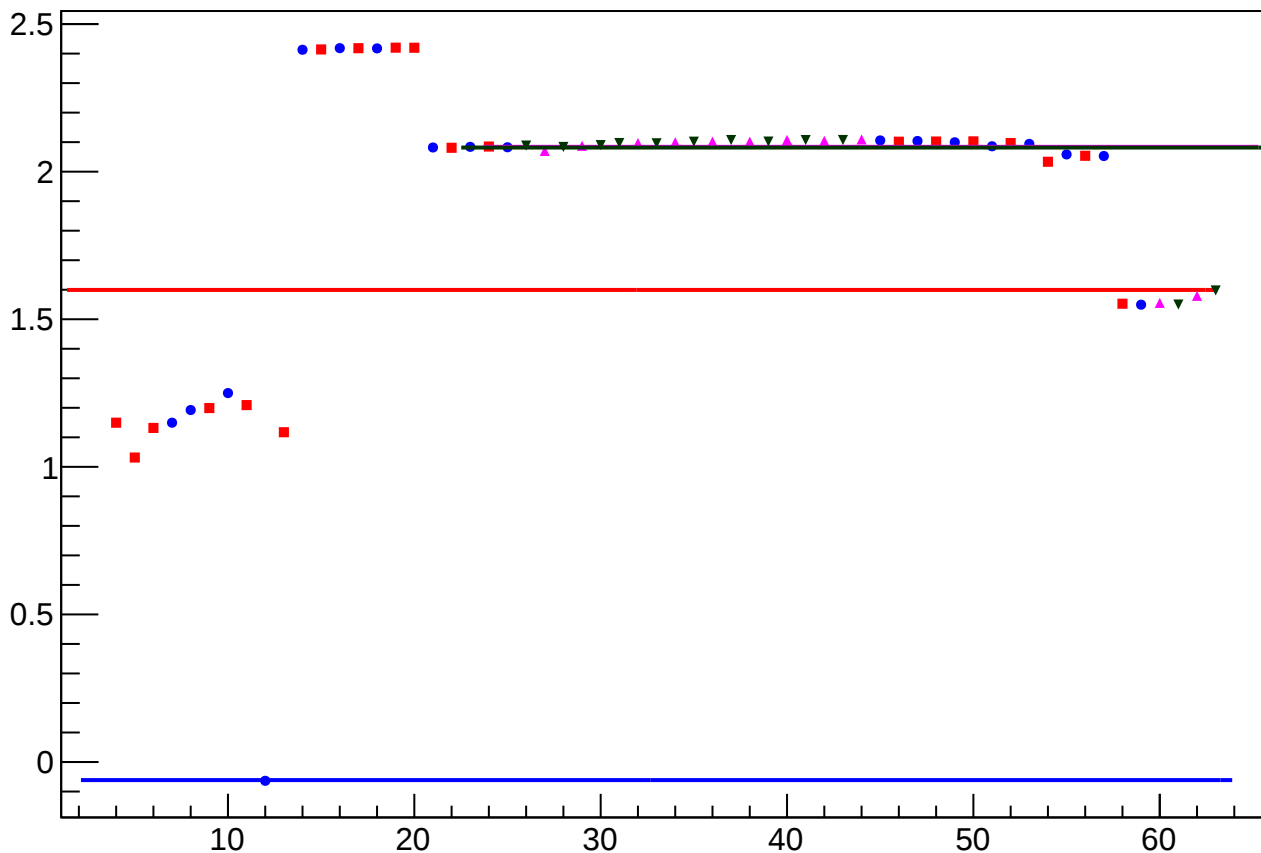
Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 697414.3/18

Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 484170.4/10

0.000 $\pm$ 0.000 χ^2/NDF : 32183440.3/29

0.008 $\pm$ 0.000 χ^2/NDF : 1356897.6/29

yield_bpm4acY_mean vs slug



Right In: -0.061+/-0.000 χ^2/NDF : 171003968524.2/17

Left Out: 2.082+/-0.000 χ^2/NDF :236279248.6/11

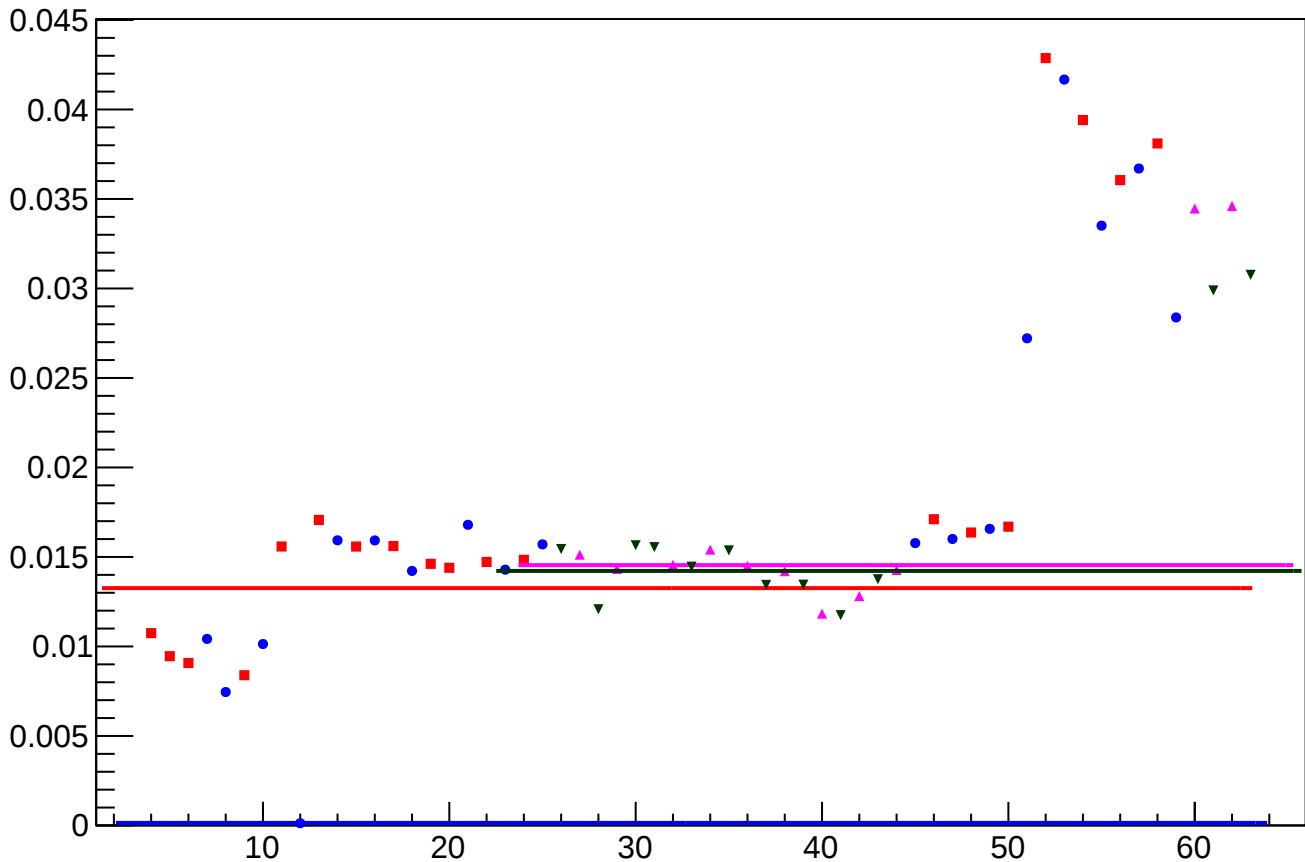
Right Out: 1.599+/-0.000 χ^2/NDF : 13096029057.2/18

Left In: 2.084+/-0.000 χ^2/NDF :183432882.5/10

-0.060+/-0.000 χ^2/NDF : 298671918029.4/29

1.784+/-0.000 χ^2/NDF : 17384355925.6/29

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19632783.5/17

Left Out: 0.014+/-0.000 χ^2/NDF : 583112.7/11

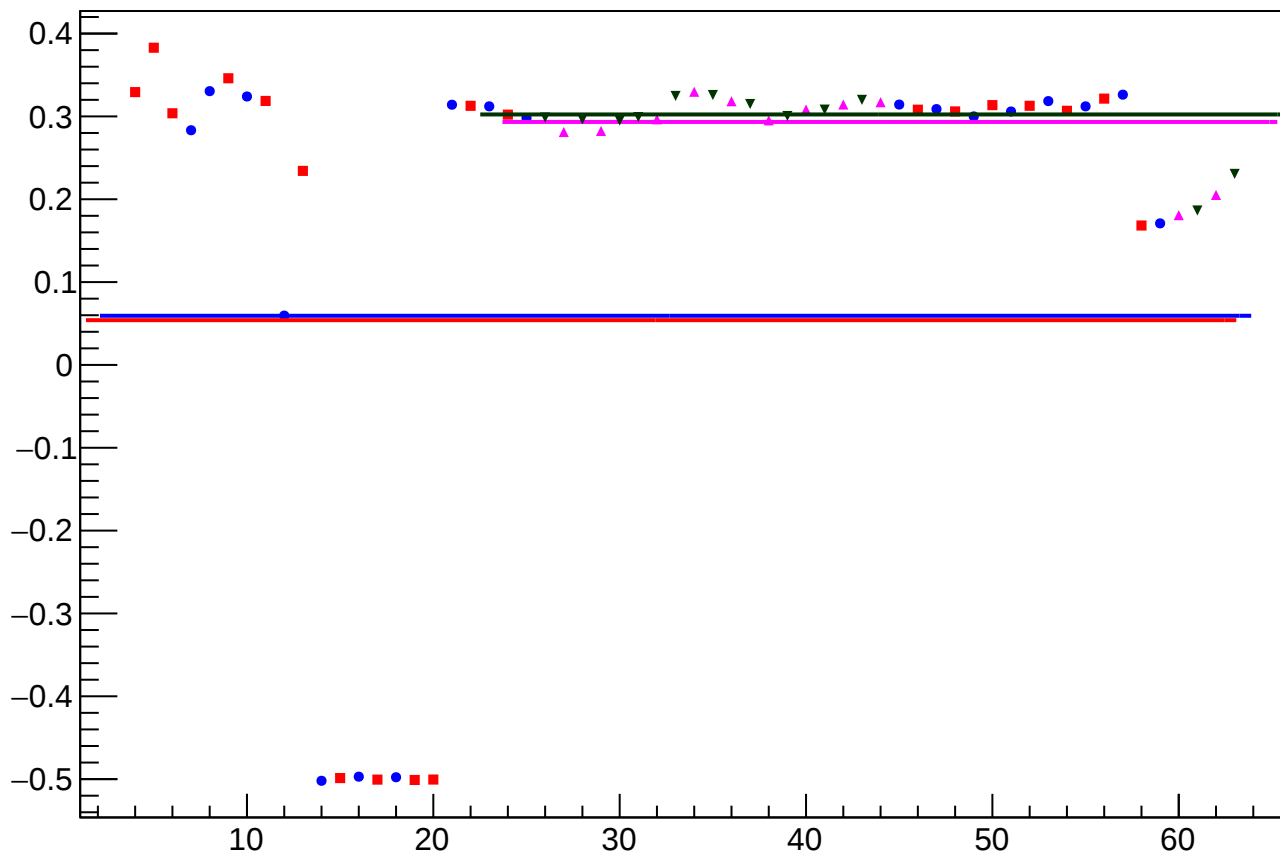
0.000+/-0.000 χ^2/NDF : 31214045.0/29

Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

0.014+/-0.000 χ^2/NDF : 3348218.1/29

Left In: 0.015+/-0.000 χ^2/NDF : 600381.8/10

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3888801914.2/17

Left Out: 0.302+/-0.000 χ^2/NDF :5954014.0/11

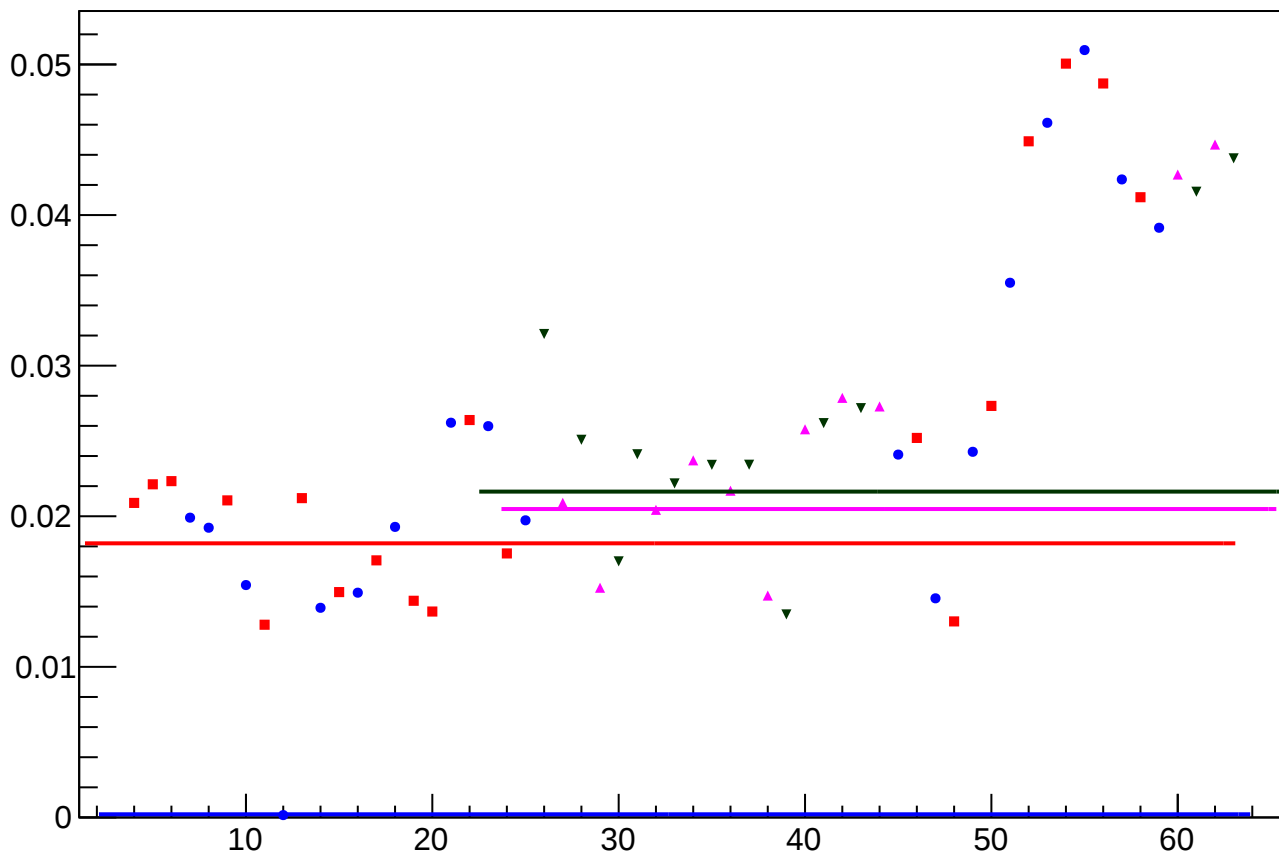
Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

Left In: 0.293+/-0.000 χ^2/NDF :8416828.5/10

0.060+/-0.000 χ^2/NDF : 4573267625.4/29

0.138+/-0.000 χ^2/NDF : 4022161151.3/29

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19749394.2/17

Left Out: 0.022+/-0.000 χ^2/NDF :1107444.8/11

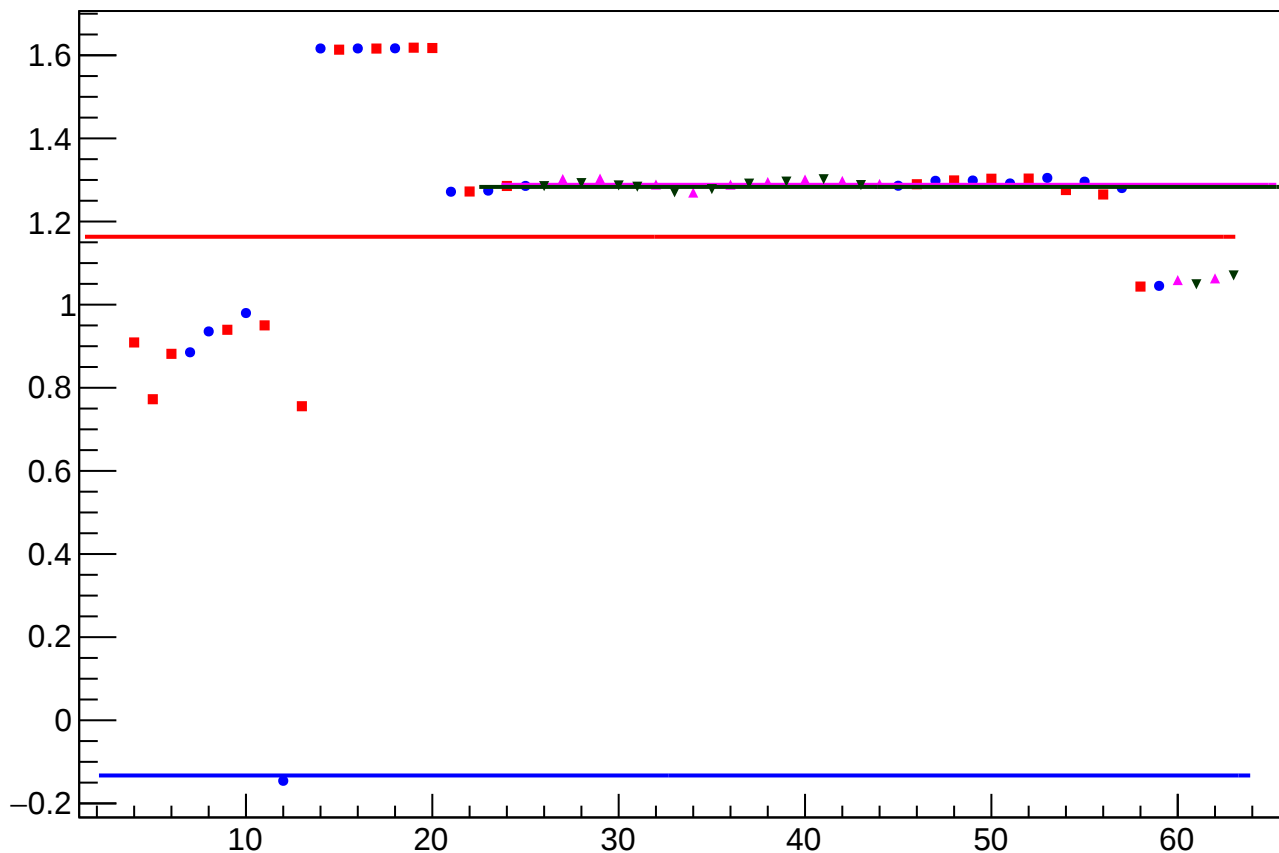
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.020+/-0.000 χ^2/NDF :1038100.6/10

0.000+/-0.000 χ^2/NDF : 31405636.9/29

0.019+/-0.000 χ^2/NDF : 3551885.9/29

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2 /NDF: 169320914657.8/17

Left Out: 1.283+/-0.000 χ^2 /NDF:63066859.6/11

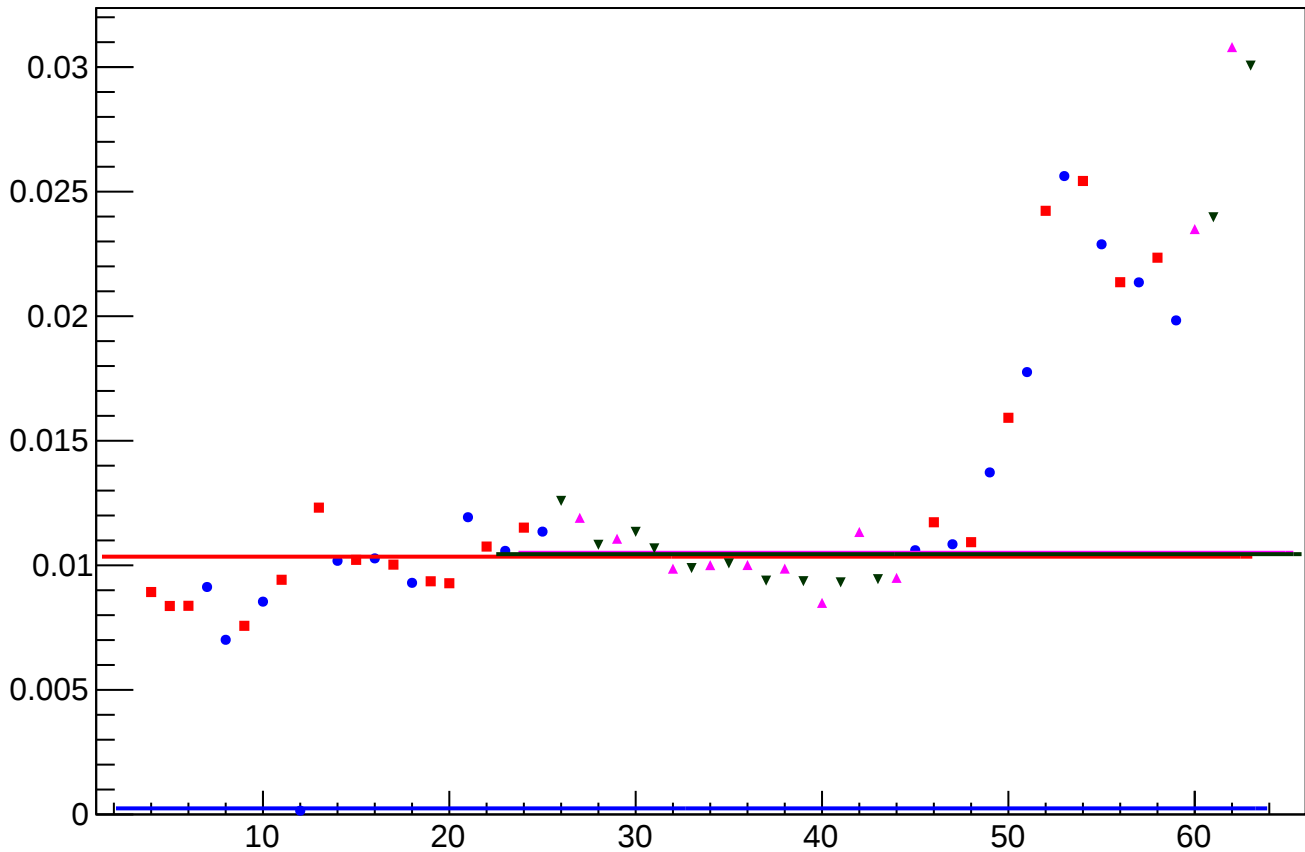
Right Out: 1.163+/-0.000 χ^2 /NDF: 7253036603.9/18

Left In: 1.288+/-0.000 χ^2 /NDF:65290783.5/10

-0.125+/-0.000 χ^2 /NDF: 271651152180.3/29

1.213+/-0.000 χ^2 /NDF: 7817239341.2/29

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19204976.4/17

Left Out: 0.010+/-0.000 χ^2/NDF : 714145.8/11

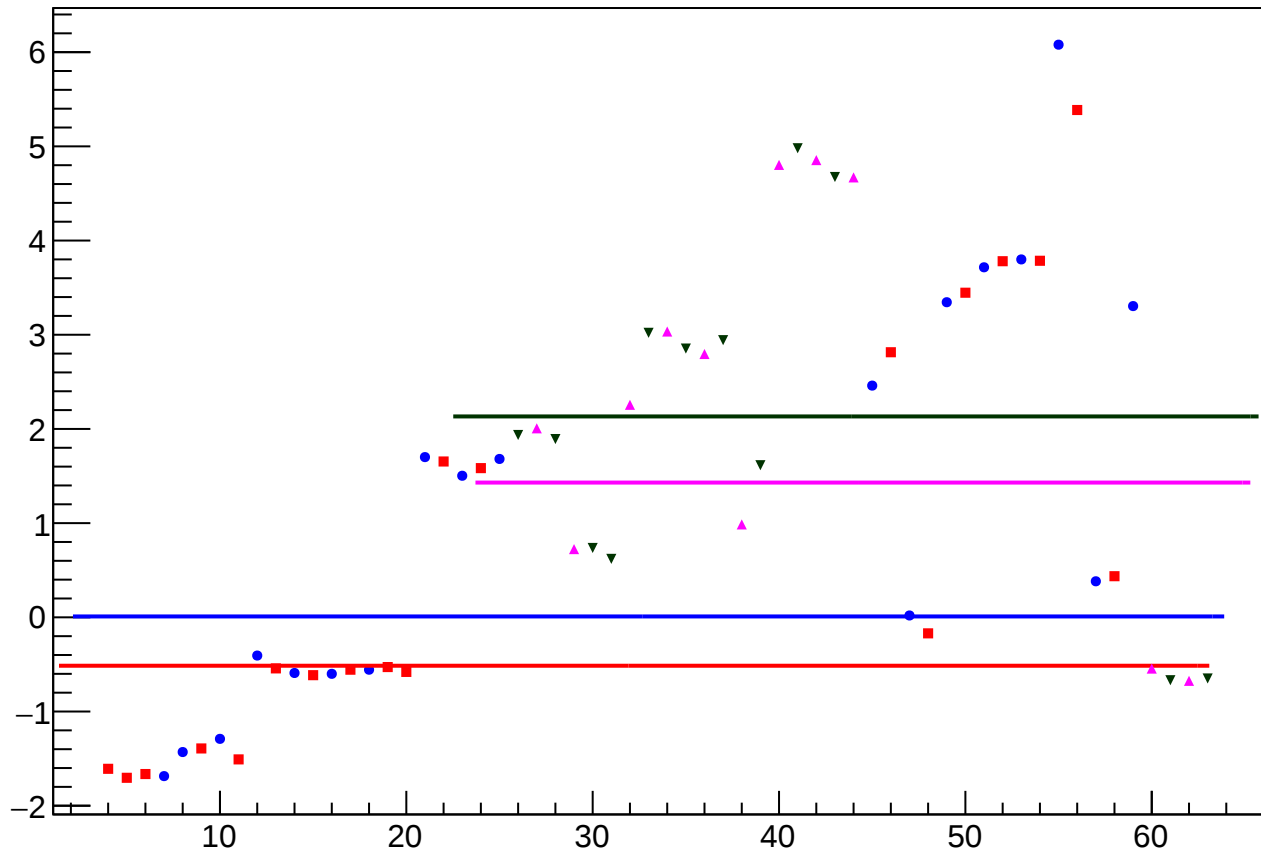
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.011+/-0.000 χ^2/NDF : 709014.2/10

0.000+/-0.000 χ^2/NDF : 30541883.7/29

0.010+/-0.000 χ^2/NDF : 2329917.1/29

yield_bpm1X_mean vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 18135045883.2/17

Left Out: 2.133+/-0.000 χ^2/NDF :1635014448.0/11

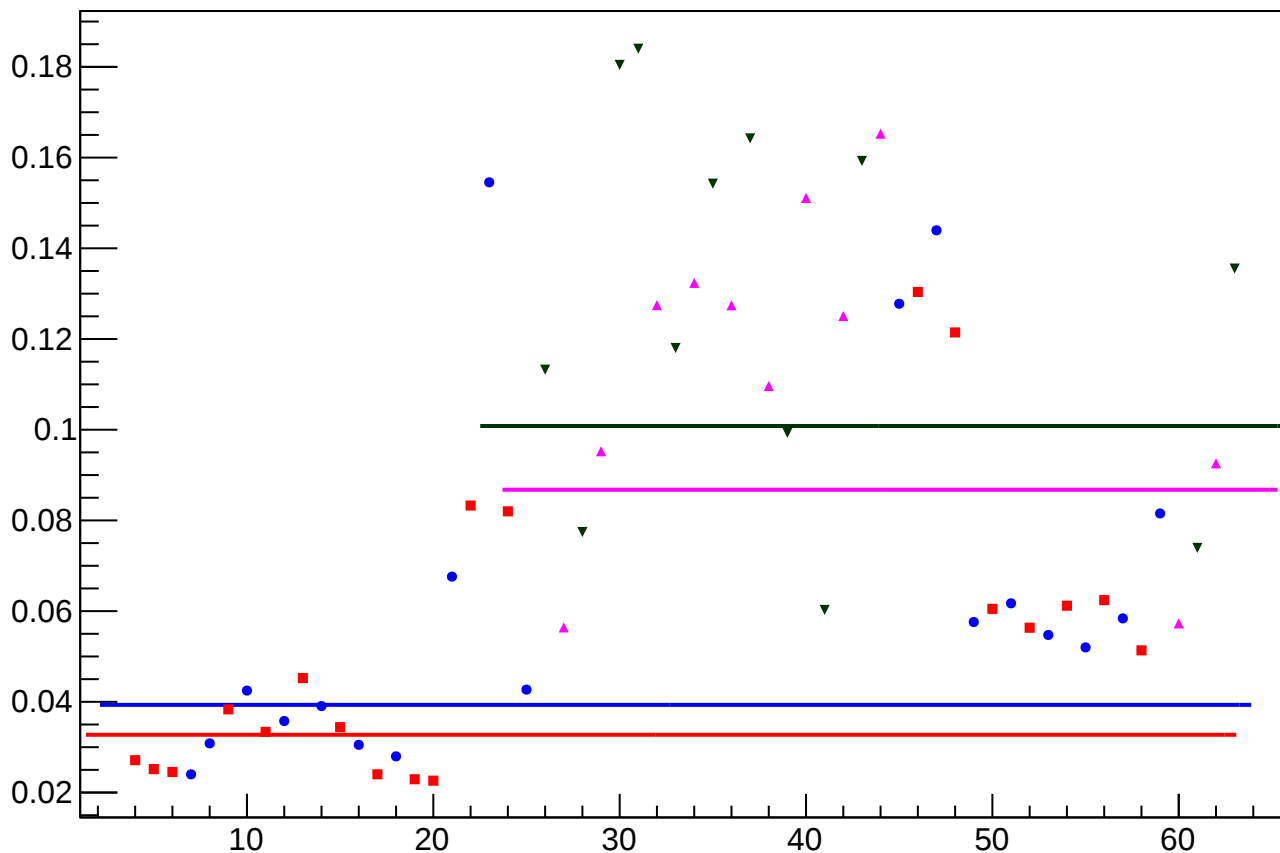
0.181+/-0.000 χ^2/NDF : 21511439798.3/29

Right Out: -0.514+/-0.000 χ^2/NDF : 14474436949.2/18

-0.341+/-0.000 χ^2/NDF : 18220060485.1/29

Left In: 1.431+/-0.000 χ^2/NDF :1687000688.0/10

yield_bpm1X_rms vs slug



Right In: 0.039 ± 0.000 χ^2/NDF : 3078164.7/17

Left Out: 0.101 ± 0.000 χ^2/NDF : 1233273.0/11

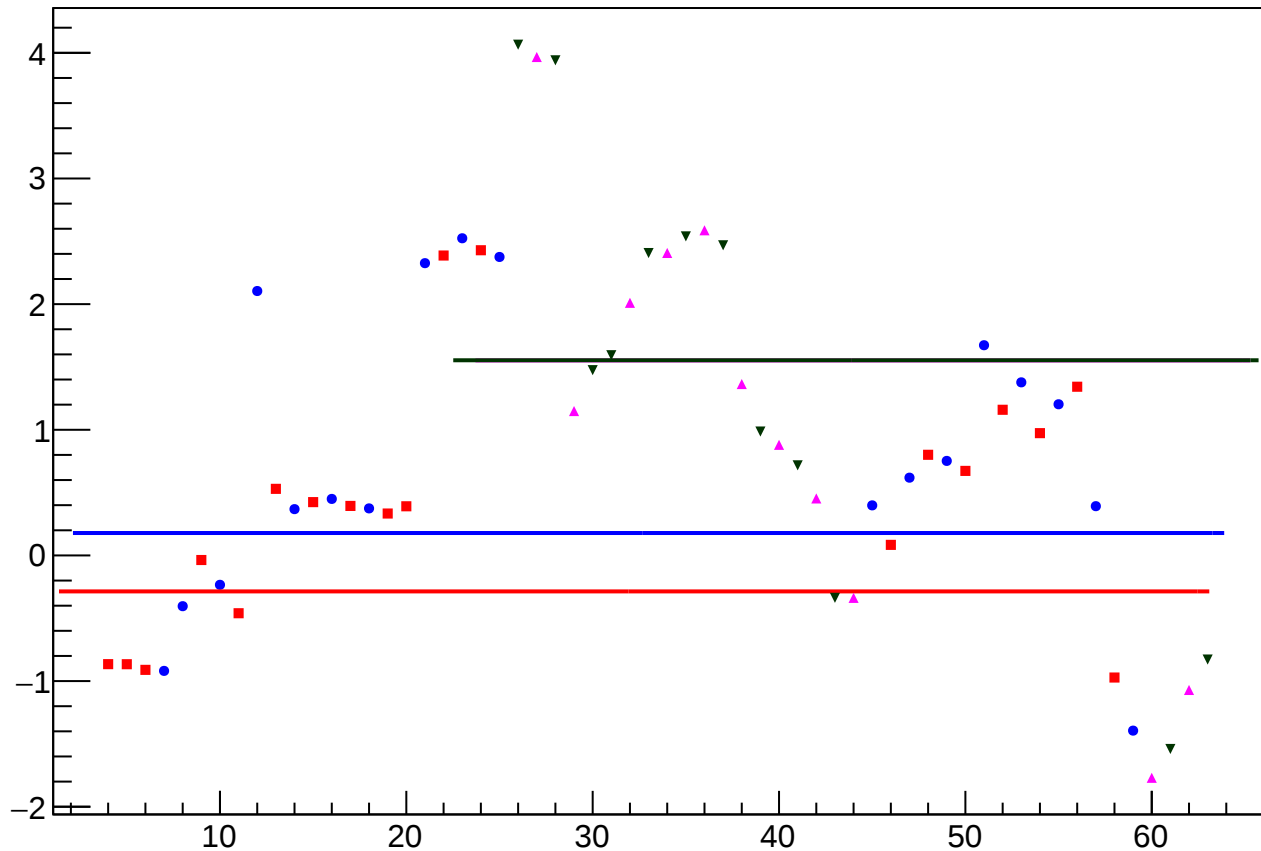
Right Out: 0.033 ± 0.000 χ^2/NDF : 2838022.5/18

Left In: 0.087 ± 0.000 χ^2/NDF : 1384414.3/10

0.044 ± 0.000 χ^2/NDF : 7231505.6/29

0.038 ± 0.000 χ^2/NDF : 7401732.6/29

yield_bpm1Y_mean vs slug



Right In: 0.178+/-0.000 χ^2/NDF : 9482704623.3/17

Left Out: 1.553+/-0.000 χ^2/NDF : 3185910822.3/11

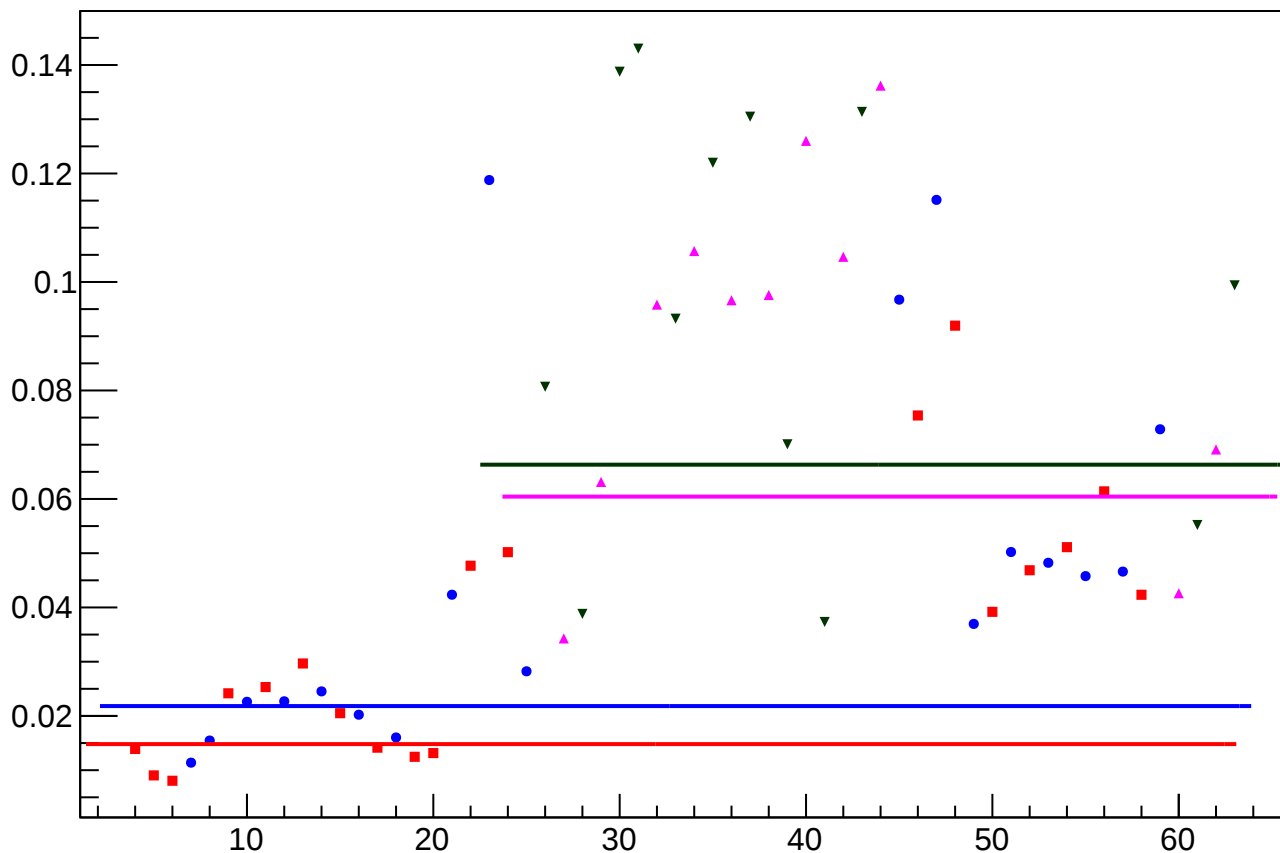
0.265+/-0.000 χ^2/NDF : 14142890591.8/29

Right Out: -0.286+/-0.000 χ^2/NDF : 10734675455.5/18

-0.198+/-0.000 χ^2/NDF : 19707609718.6/29

Left In: 1.552+/-0.000 χ^2/NDF : 5439778102.3/10

yield_bpm1Y_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.066+/-0.000 χ^2/NDF :1900649.9/11

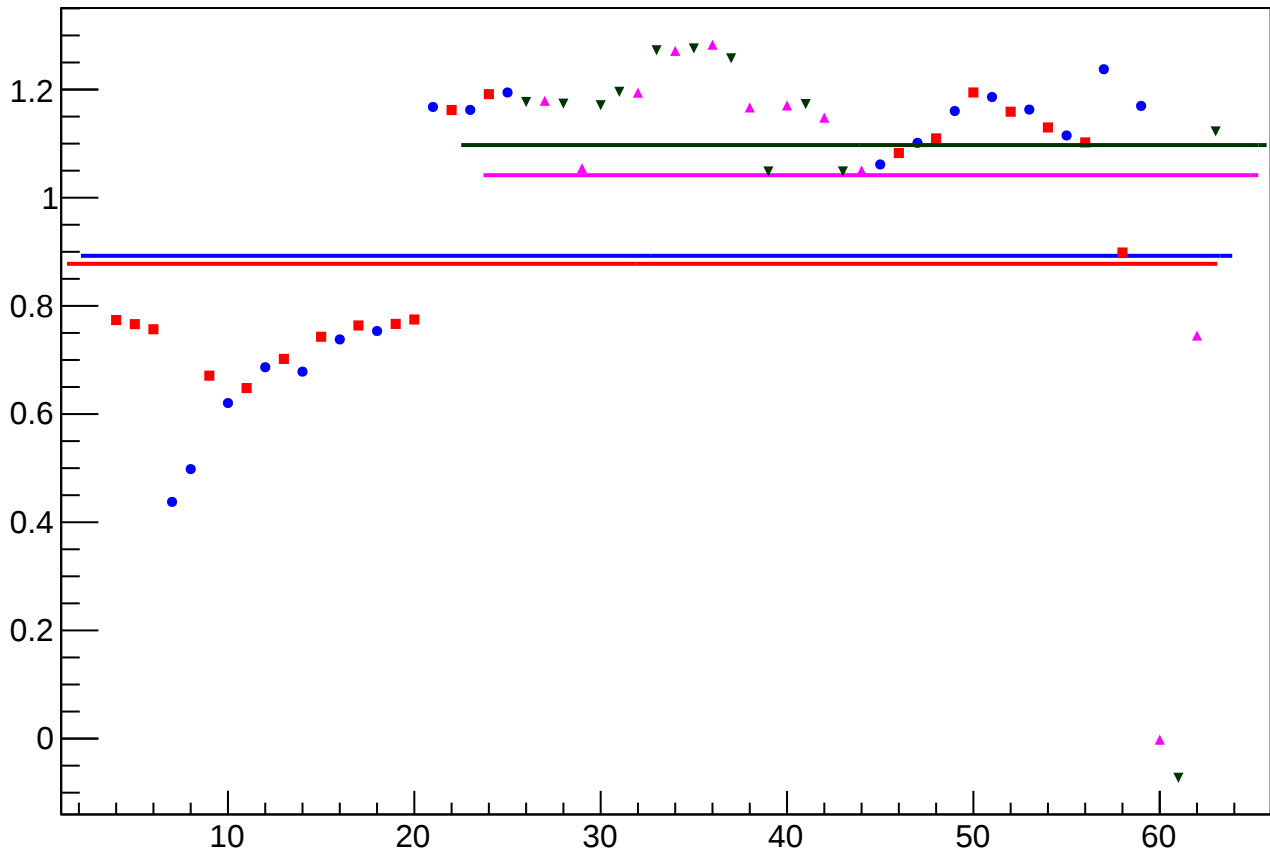
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.060+/-0.000 χ^2/NDF :1973651.6/10

0.025+/-0.000 χ^2/NDF : 9659018.0/29

0.017+/-0.000 χ^2/NDF : 11265290.7/29

yield_bpm11X_mean vs slug



Right In: 0.893+/-0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.097+/-0.000 χ^2/NDF :1061989725.5/11

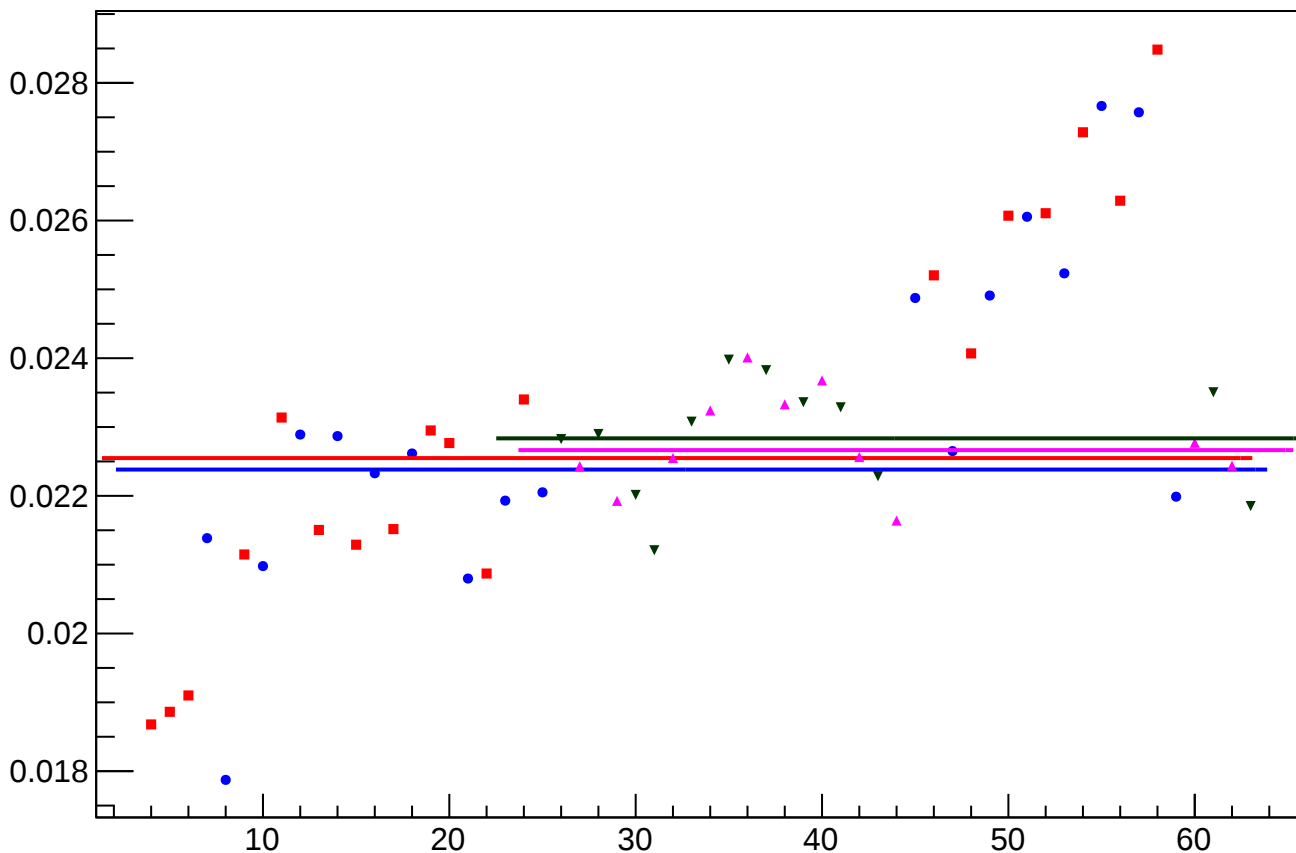
Right Out: 0.878+/-0.000 χ^2/NDF : 761495098.5/18

Left In: 1.042+/-0.000 χ^2/NDF :1319978991.8/10

0.964+/-0.000 χ^2/NDF : 3006574952.6/29

0.943+/-0.000 χ^2/NDF : 2281666906.4/29

yield_bpm11X_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 264611.3/17

Left Out: 0.023+/-0.000 χ^2/NDF :14179.7/11

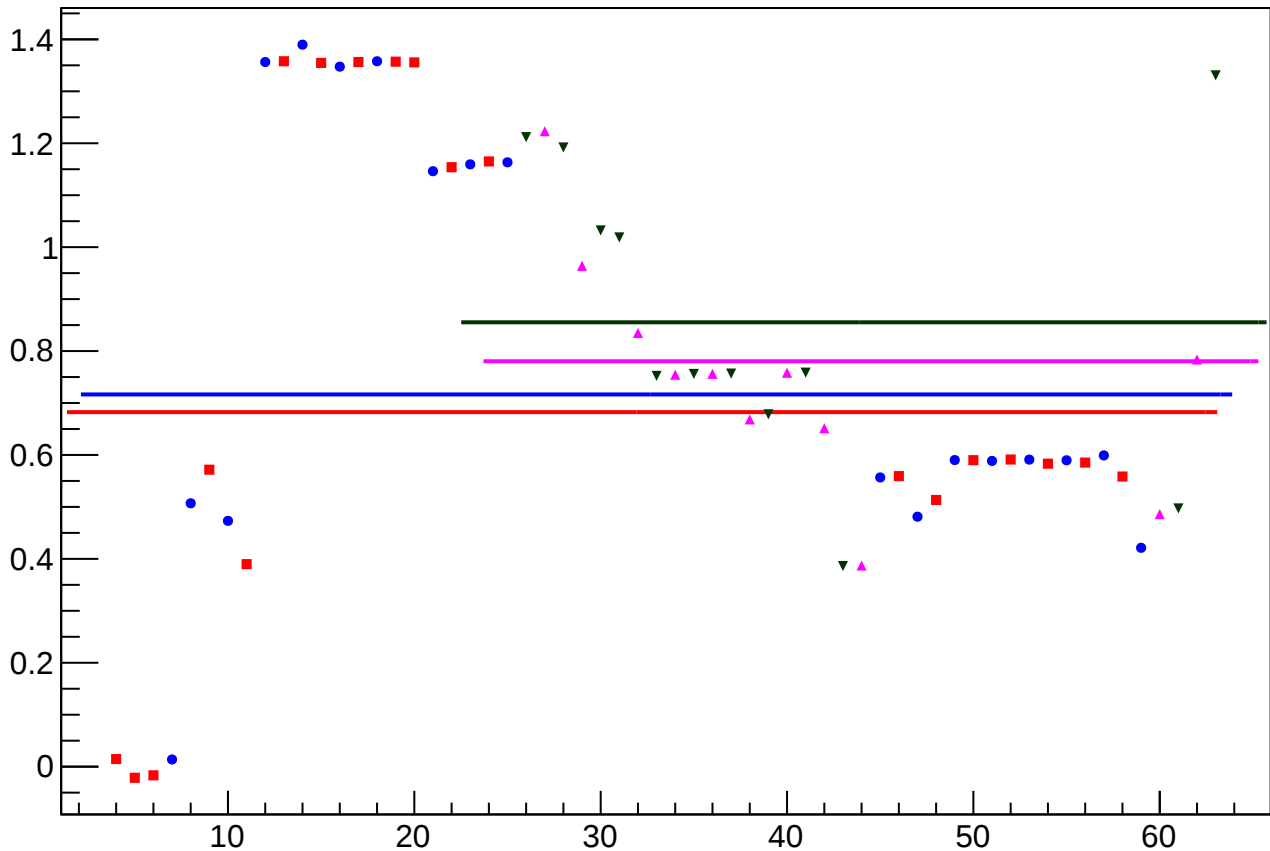
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.023+/-0.000 χ^2/NDF :10543.1/10

0.023+/-0.000 χ^2/NDF : 281882.7/29

0.023+/-0.000 χ^2/NDF : 256937.0/29

yield_bpm11Y_mean vs slug



Right In: 0.716 $\pm$ 0.000 χ^2/NDF : 131330740430.7/17

Left Out: 0.855 $\pm$ 0.000 χ^2/NDF : 35540375579.6/11

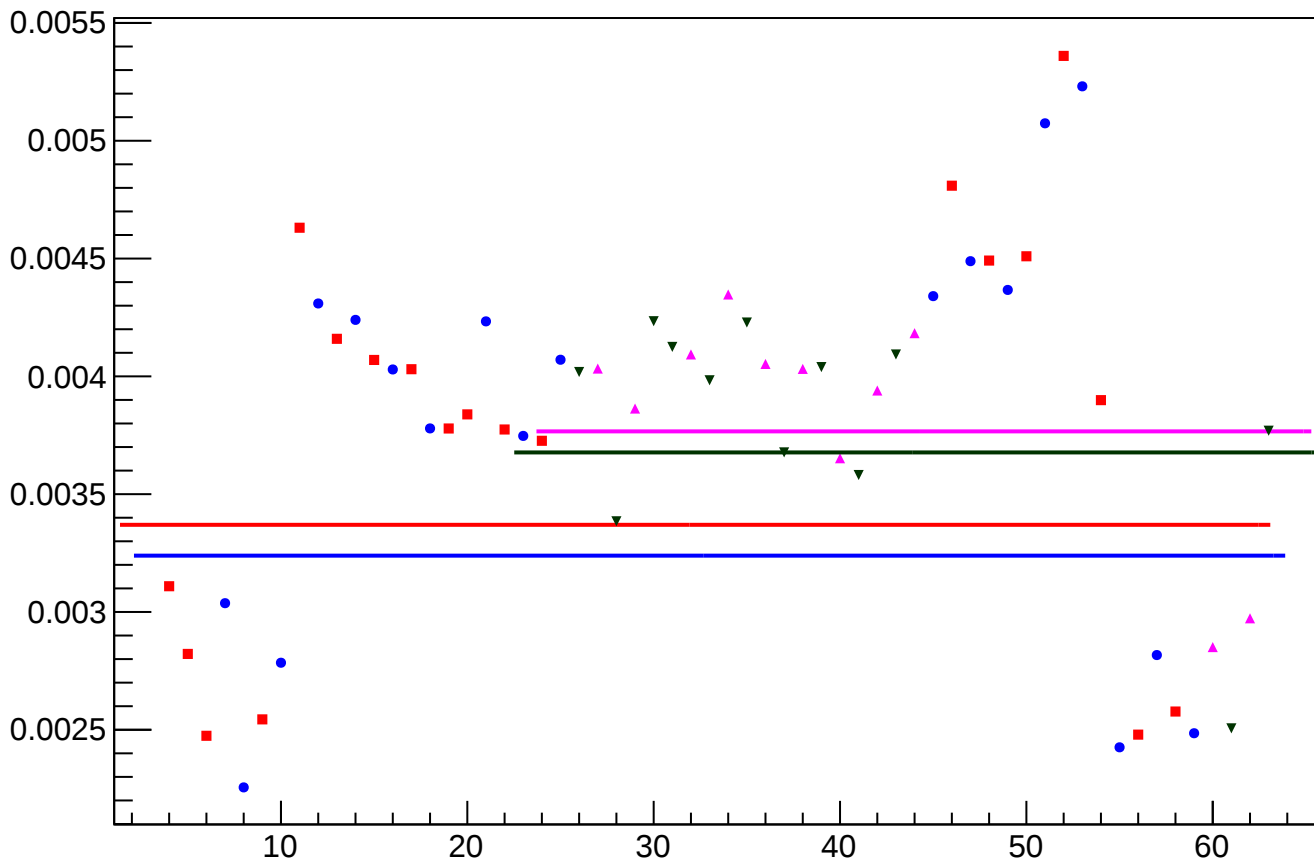
0.760 $\pm$ 0.000 χ^2/NDF : 172603630455.5/29

Right Out: 0.682 $\pm$ 0.000 χ^2/NDF : 168328456976.2/18

0.717 $\pm$ 0.000 χ^2/NDF : 192659764416.3/29

Left In: 0.780 $\pm$ 0.000 χ^2/NDF : 21636852863.0/10

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1552802.4/17

Left Out: 0.004+/-0.000 χ^2/NDF :243973.2/11

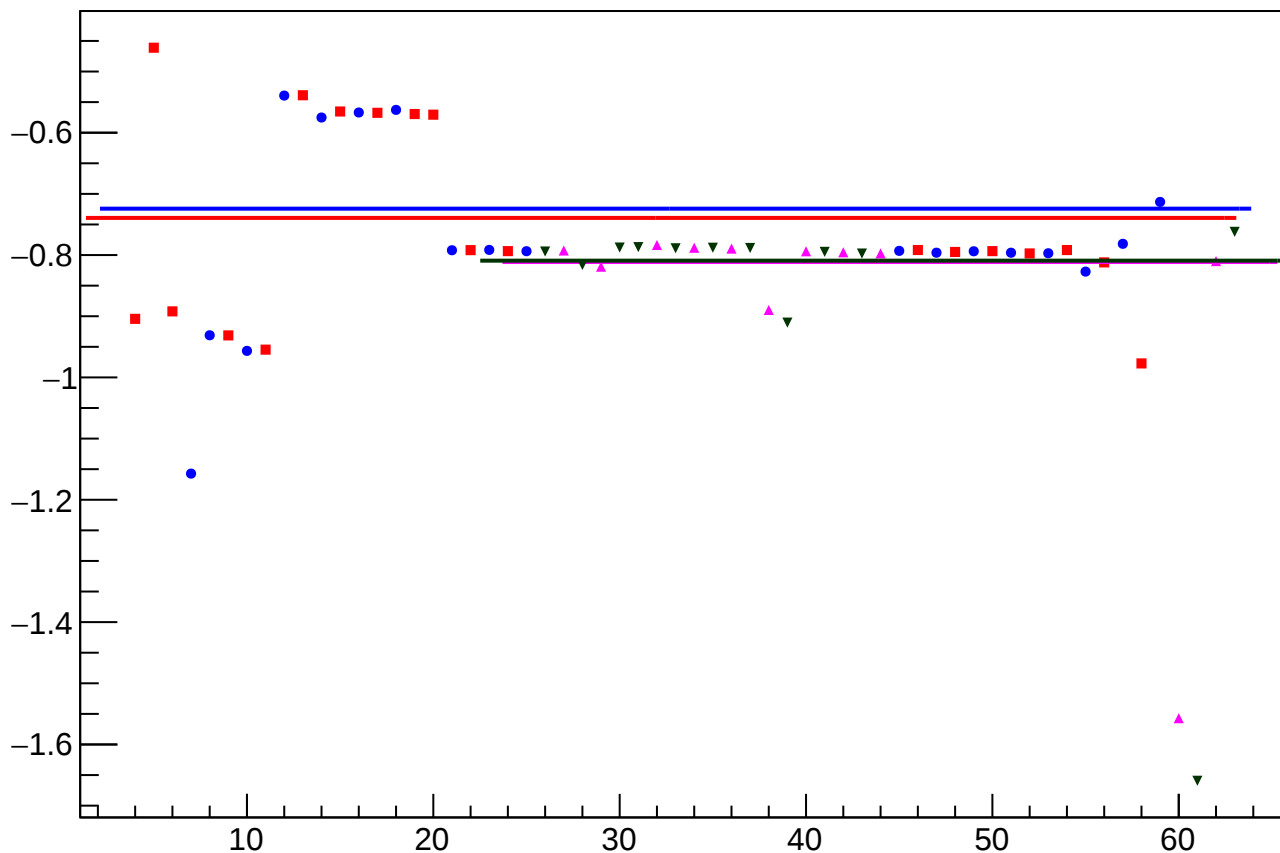
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF :199329.3/10

0.003+/-0.000 χ^2/NDF : 1910847.9/29

0.004+/-0.000 χ^2/NDF : 1445856.6/29

yield_bpm12X_mean vs slug



Right In: -0.724+/-0.000 χ^2 /NDF: 2243966662.4/17

Left Out: -0.809+/-0.000 χ^2 /NDF: 572095794.1/11

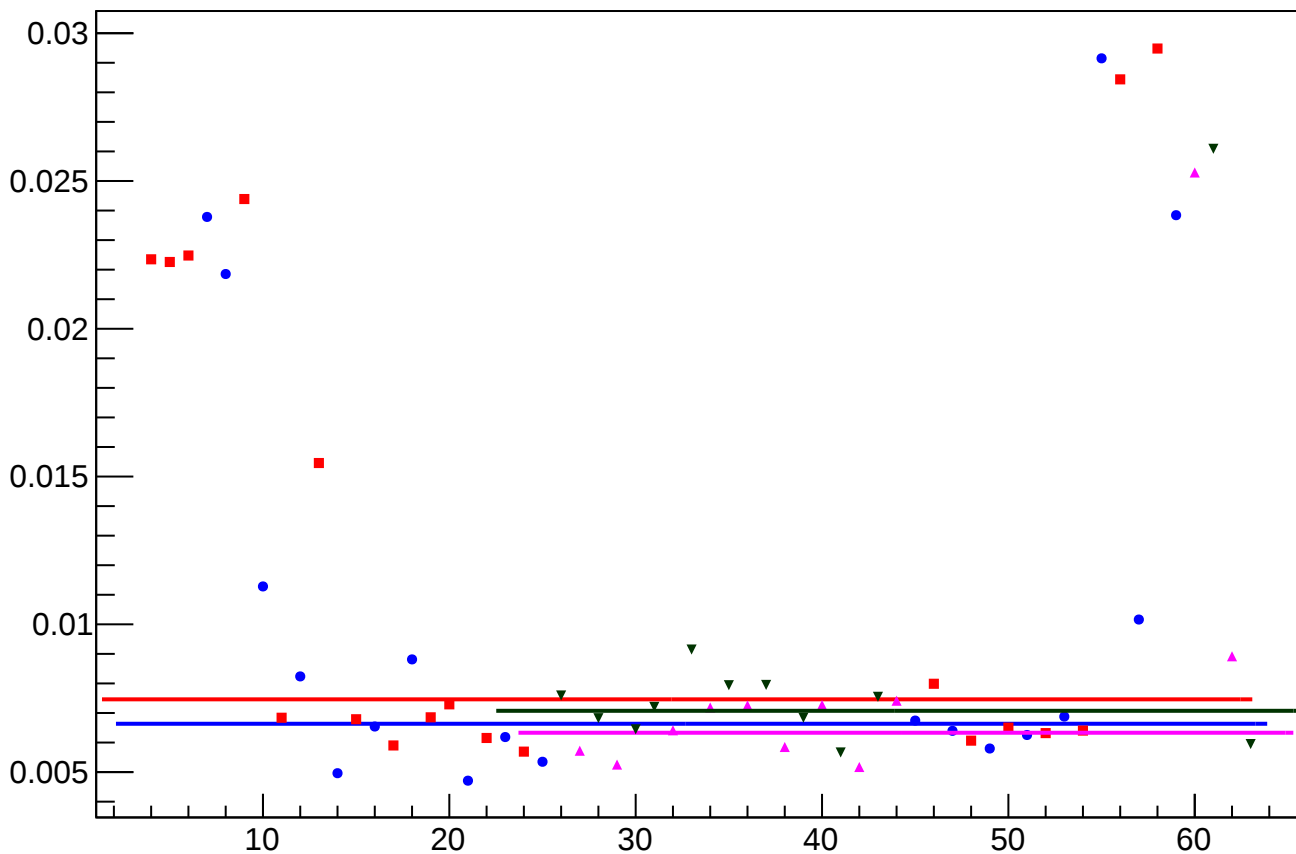
Right Out: -0.739+/-0.000 χ^2 /NDF: 1945829237.2/18

Left In: -0.811+/-0.000 χ^2 /NDF: 553484741.4/10

-0.755+/-0.000 χ^2 /NDF: 3232235582.3/29

-0.775+/-0.000 χ^2 /NDF: 2793254603.2/29

yield_bpm12X_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 3347518.2/17

Left Out: 0.007 ± 0.000 χ^2/NDF : 584838.3/11

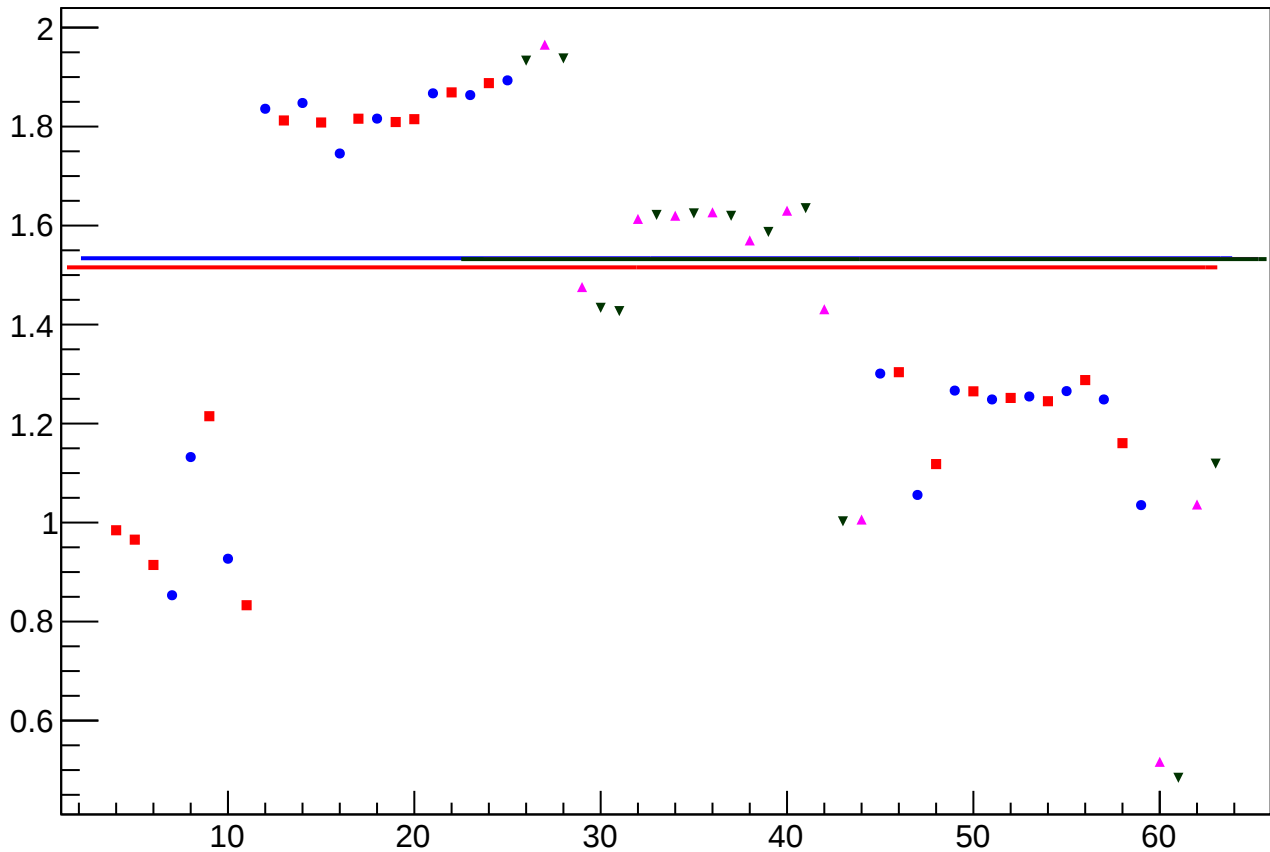
Right Out: 0.007 ± 0.000 χ^2/NDF : 3478880.3/18

Left In: 0.006 ± 0.000 χ^2/NDF : 796048.6/10

0.007 ± 0.000 χ^2/NDF : 3954495.5/29

0.007 ± 0.000 χ^2/NDF : 4419377.9/29

yield_bpm12Y_mean vs slug



Right In: 1.534+/-0.000 χ^2/NDF : 22395382646.2/17

Left Out: 1.532+/-0.000 χ^2/NDF : 11594802591.1/11

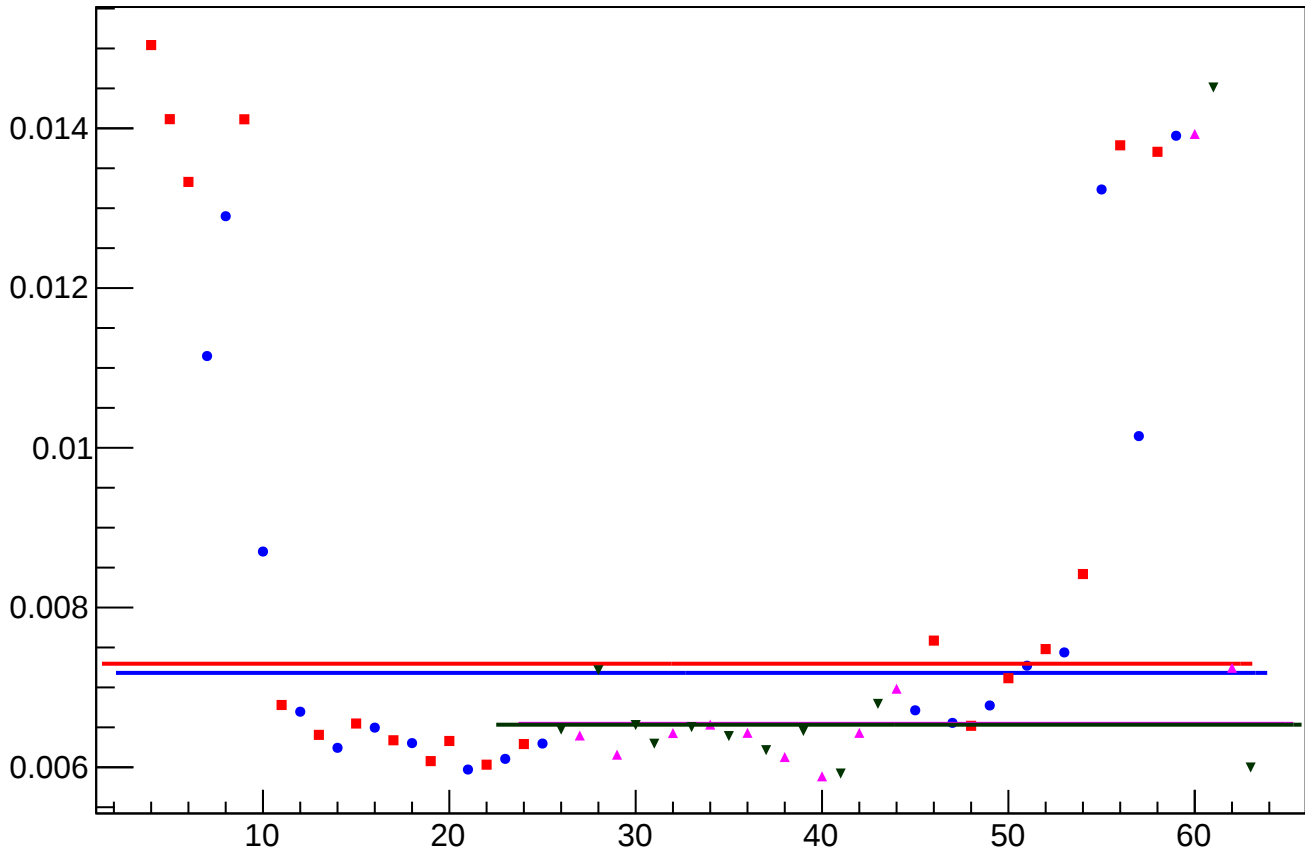
1.533+/-0.000 χ^2/NDF : 33990417585.6/29

Right Out: 1.516+/-0.000 χ^2/NDF : 21754735470.0/18

1.523+/-0.000 χ^2/NDF : 33289308788.2/29

Left In: 1.533+/-0.000 χ^2/NDF : 11513334870.1/10

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 1305539.8/17

Left Out: 0.007+/-0.000 χ^2/NDF : 287785.3/11

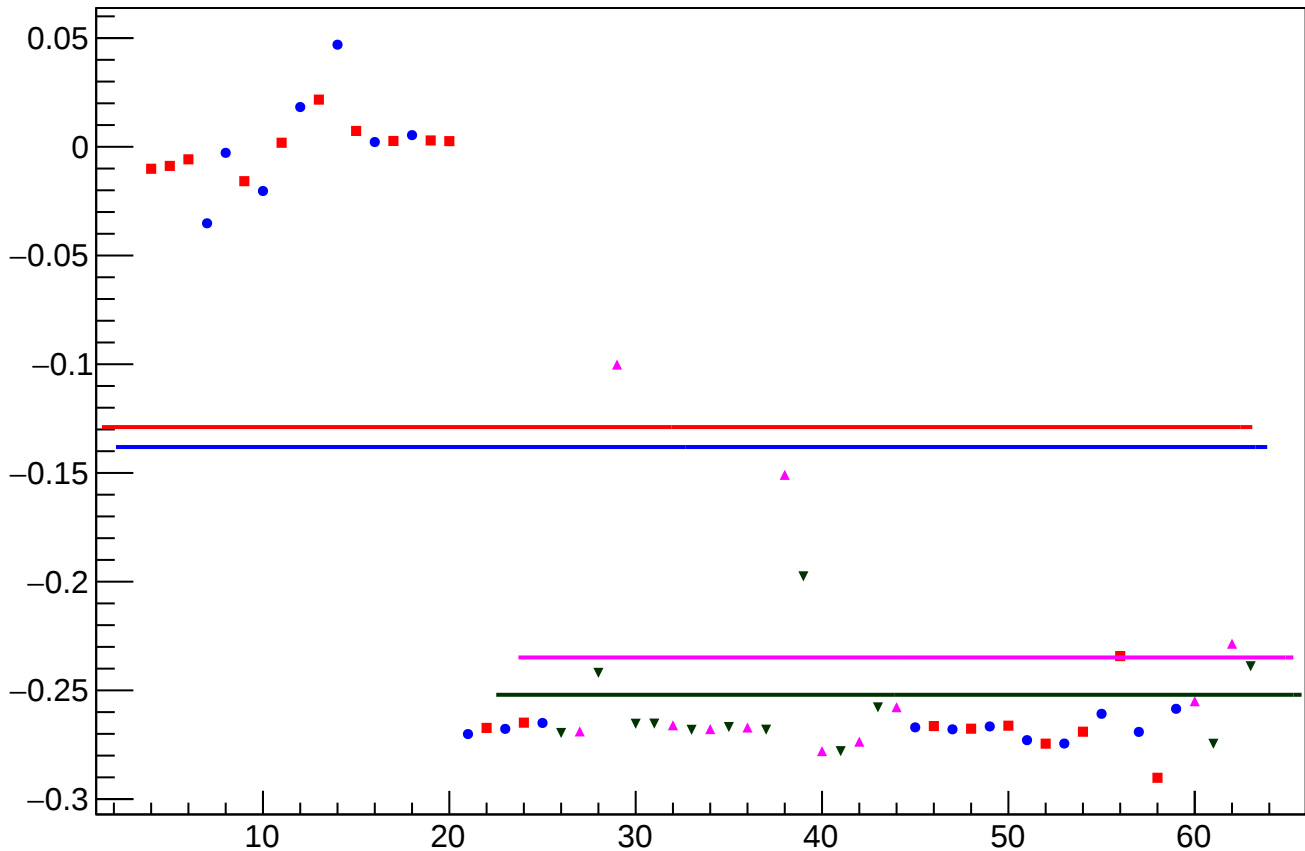
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 317916.7/10

0.007+/-0.000 χ^2/NDF : 1659007.9/29

0.007+/-0.000 χ^2/NDF : 1859449.7/29

yield_bpm16X_mean vs slug



Right In: -0.138+/-0.000 χ^2/NDF : 7275574194.7/17

Left Out: -0.252+/-0.000 χ^2/NDF : 120337485.8/11

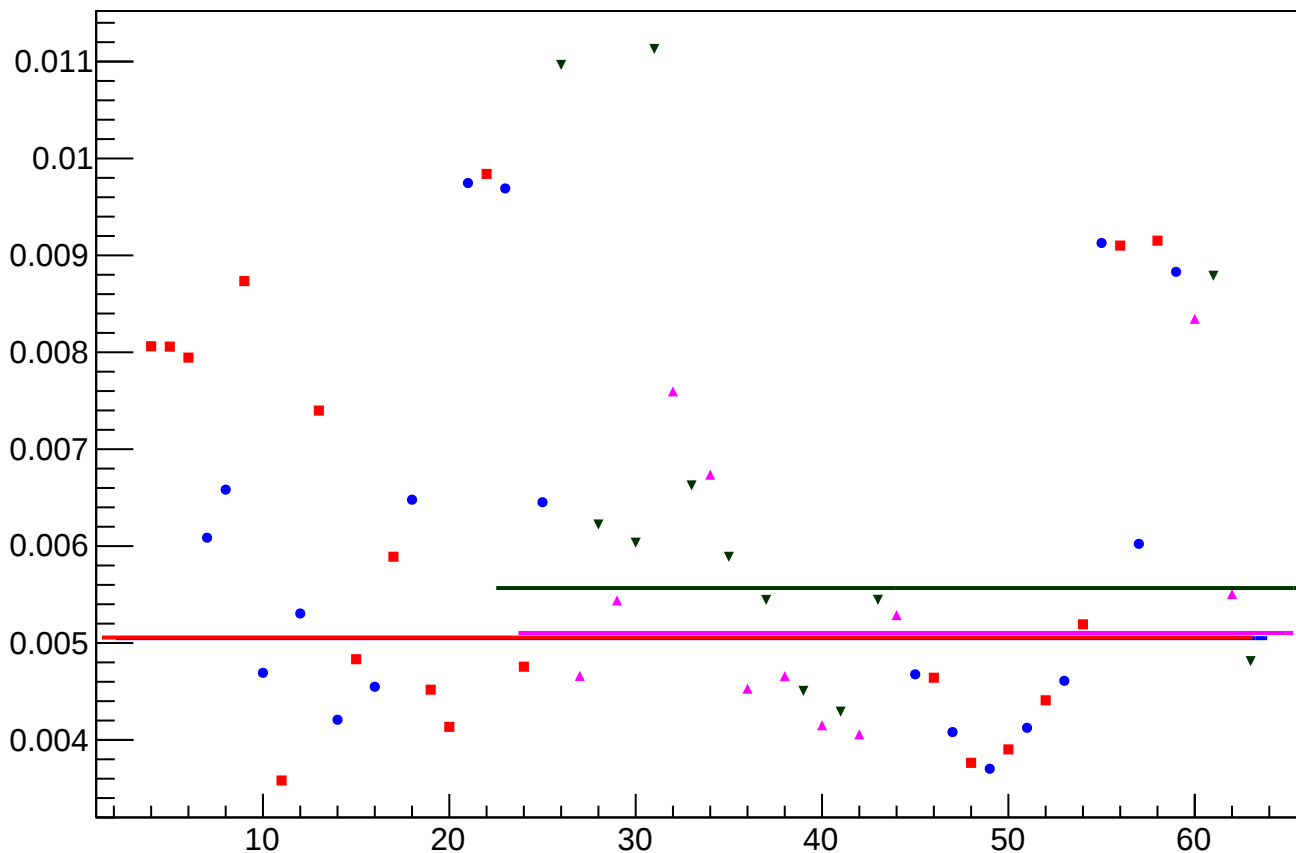
-0.174+/-0.000 χ^2/NDF : 8906434567.9/29

Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

-0.171+/-0.000 χ^2/NDF : 8113610871.4/29

Left In: -0.235+/-0.000 χ^2/NDF : 790759698.4/10

yield_bpm16X_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 1664372.1/17

Left Out: 0.006+/-0.000 χ^2/NDF : 734347.9/11

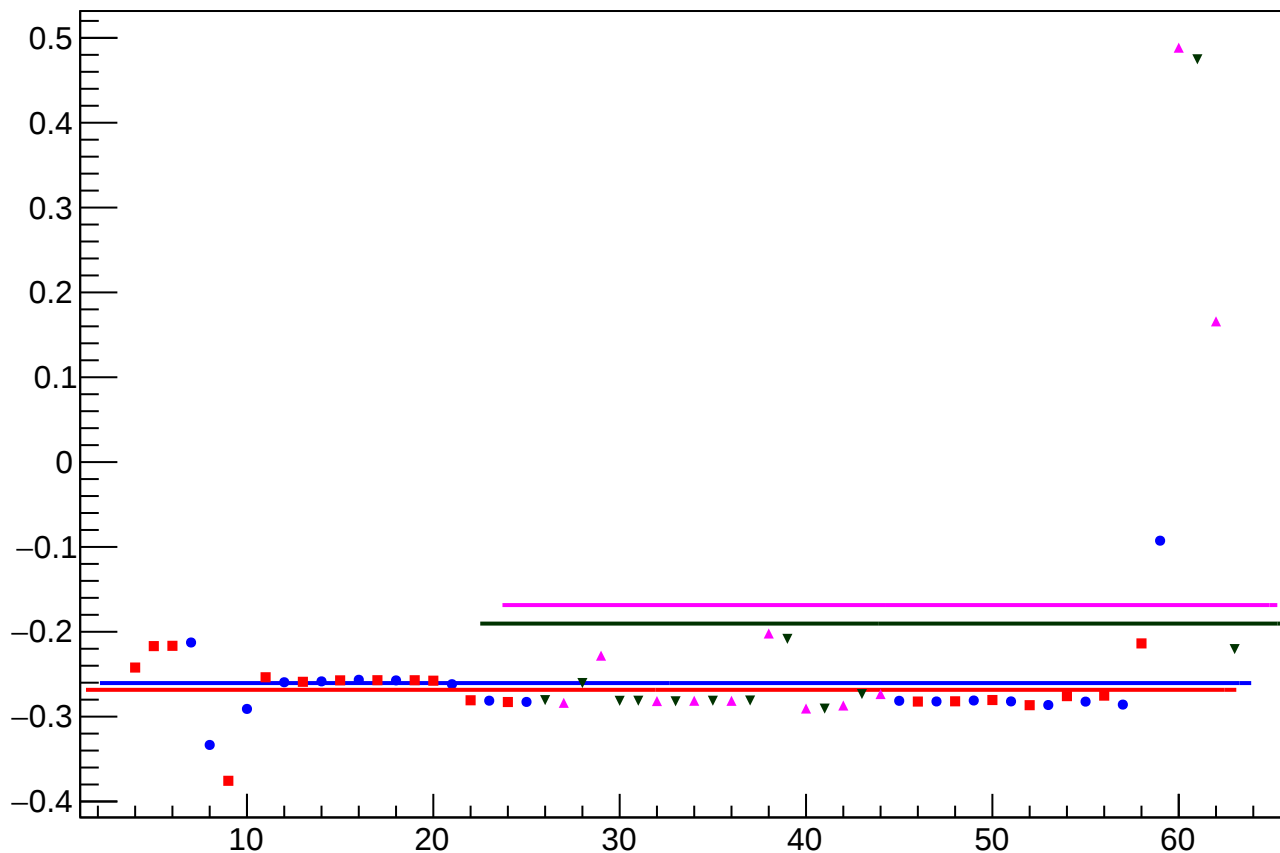
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 513390.0/10

0.005+/-0.000 χ^2/NDF : 2461003.7/29

0.005+/-0.000 χ^2/NDF : 2336431.9/29

yield_bpm16Y_mean vs slug



Right In: -0.260 ± 0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.190 ± 0.000 χ^2/NDF : 41598762260.0/11

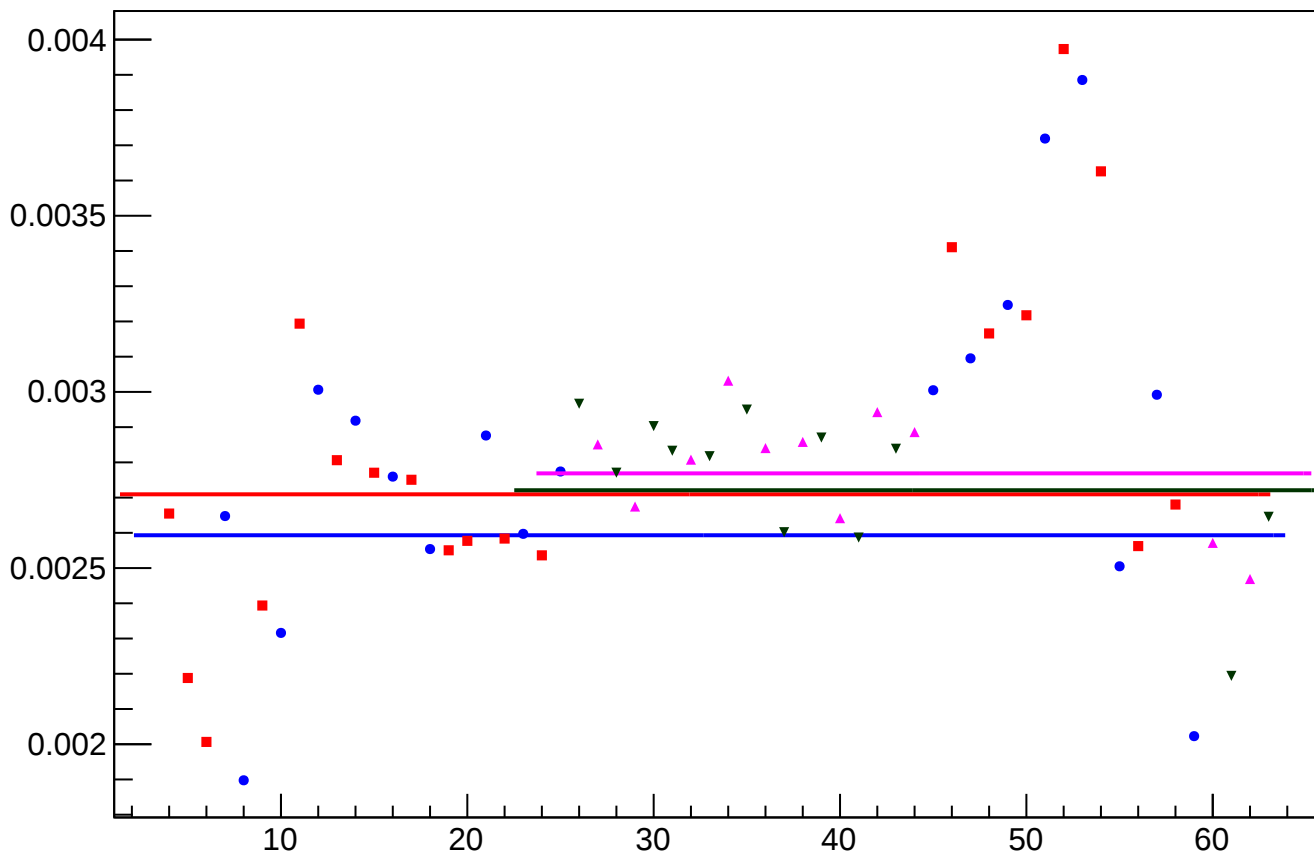
Right Out: -0.268 ± 0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.169 ± 0.000 χ^2/NDF : 43518591346.5/10

-0.236 ± 0.000 χ^2/NDF : 51106614887.4/29

-0.229 ± 0.000 χ^2/NDF : 50690224652.4/29

yield_bpm16Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 774114.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 76592.5/11

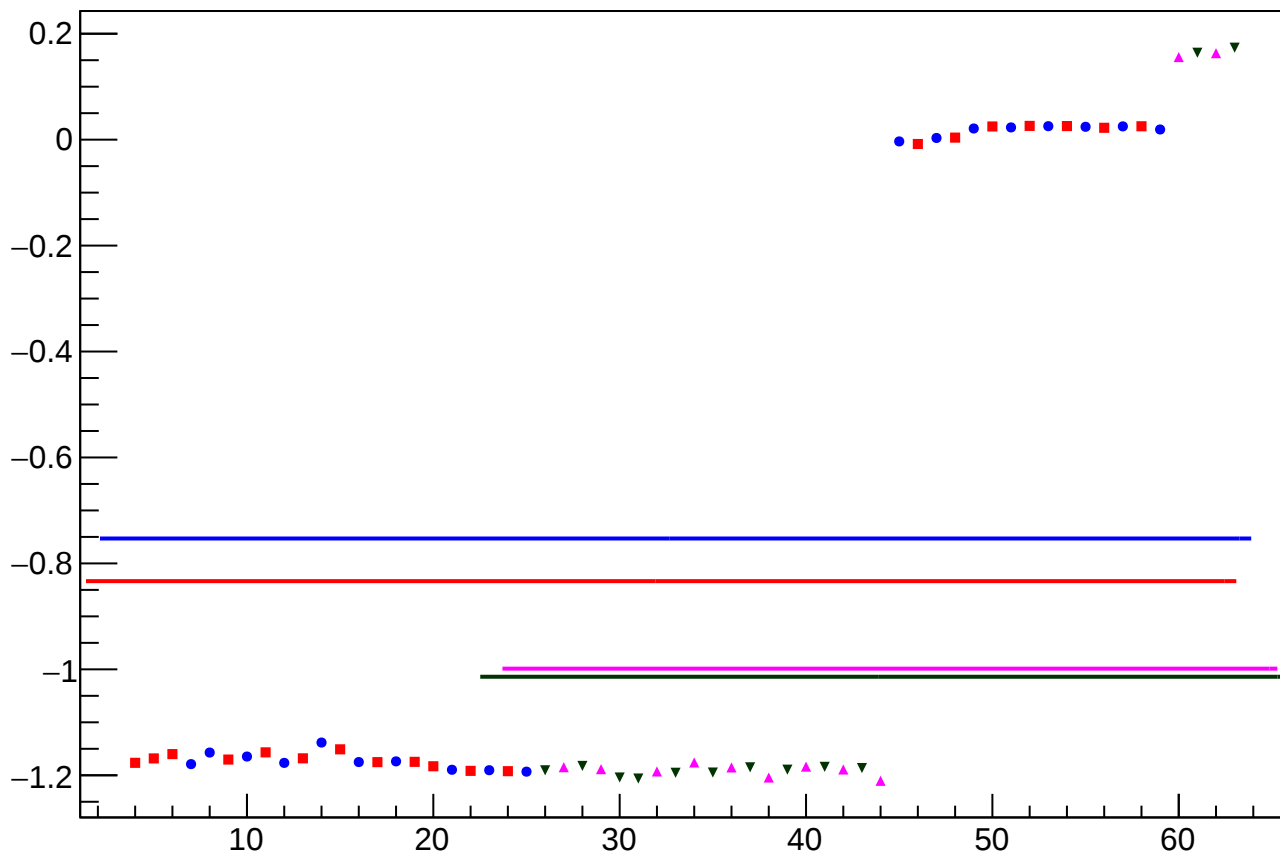
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 38274.5/10

0.003+/-0.000 χ^2/NDF : 868170.4/29

0.003+/-0.000 χ^2/NDF : 518035.5/29

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -1.014+/-0.000 χ^2/NDF : 19532611792.5/11

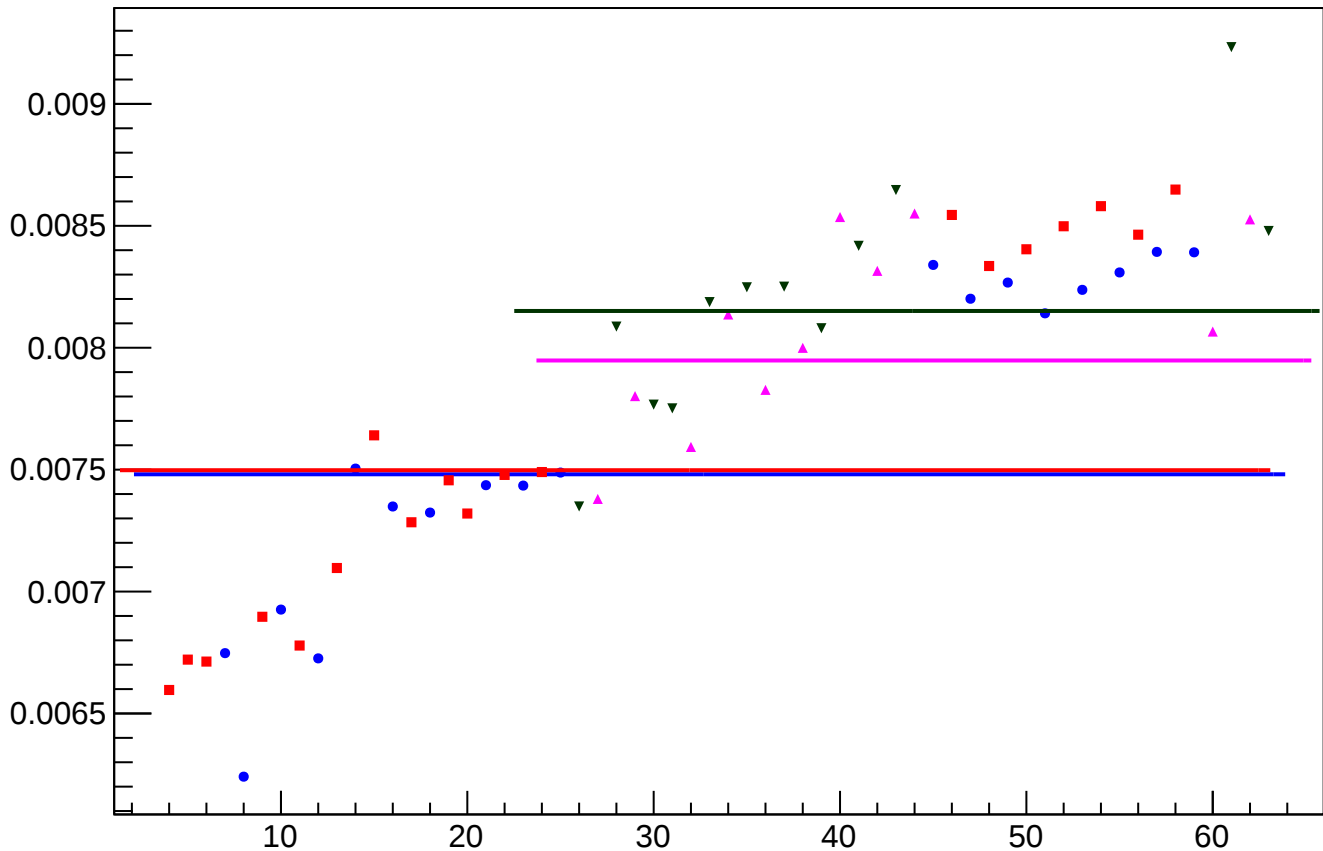
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.999+/-0.000 χ^2/NDF : 22881414392.5/10

-0.836+/-0.000 χ^2/NDF : 87369284836.1/29

-0.895+/-0.000 χ^2/NDF : 74987602810.5/29

yield_bpm2i01X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 196084.4/17

Left Out: 0.008+/-0.000 χ^2/NDF : 33937.6/11

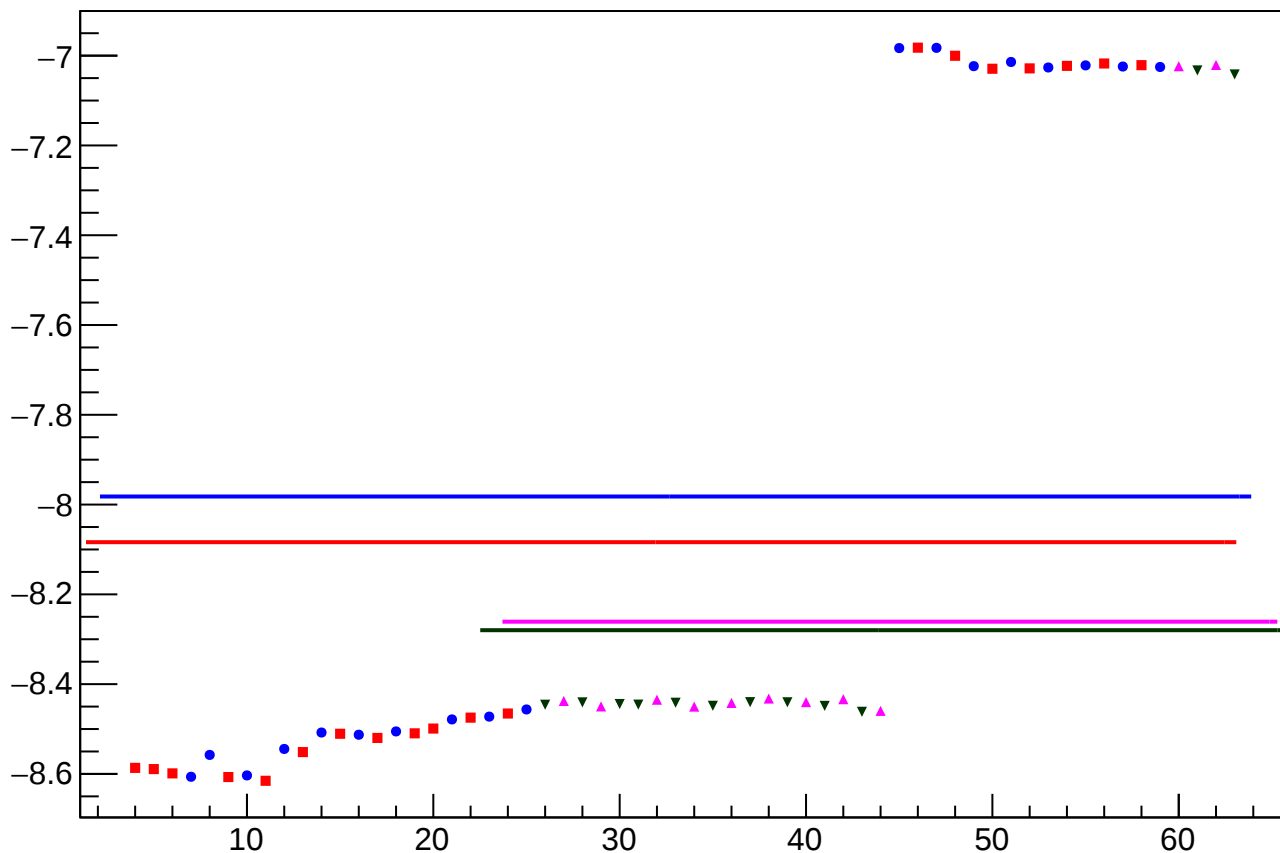
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF : 31240.6/10

0.008+/-0.000 χ^2/NDF : 286828.9/29

0.008+/-0.000 χ^2/NDF : 224977.0/29

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -8.280+/-0.000 χ^2/NDF : 24136352515.2/11

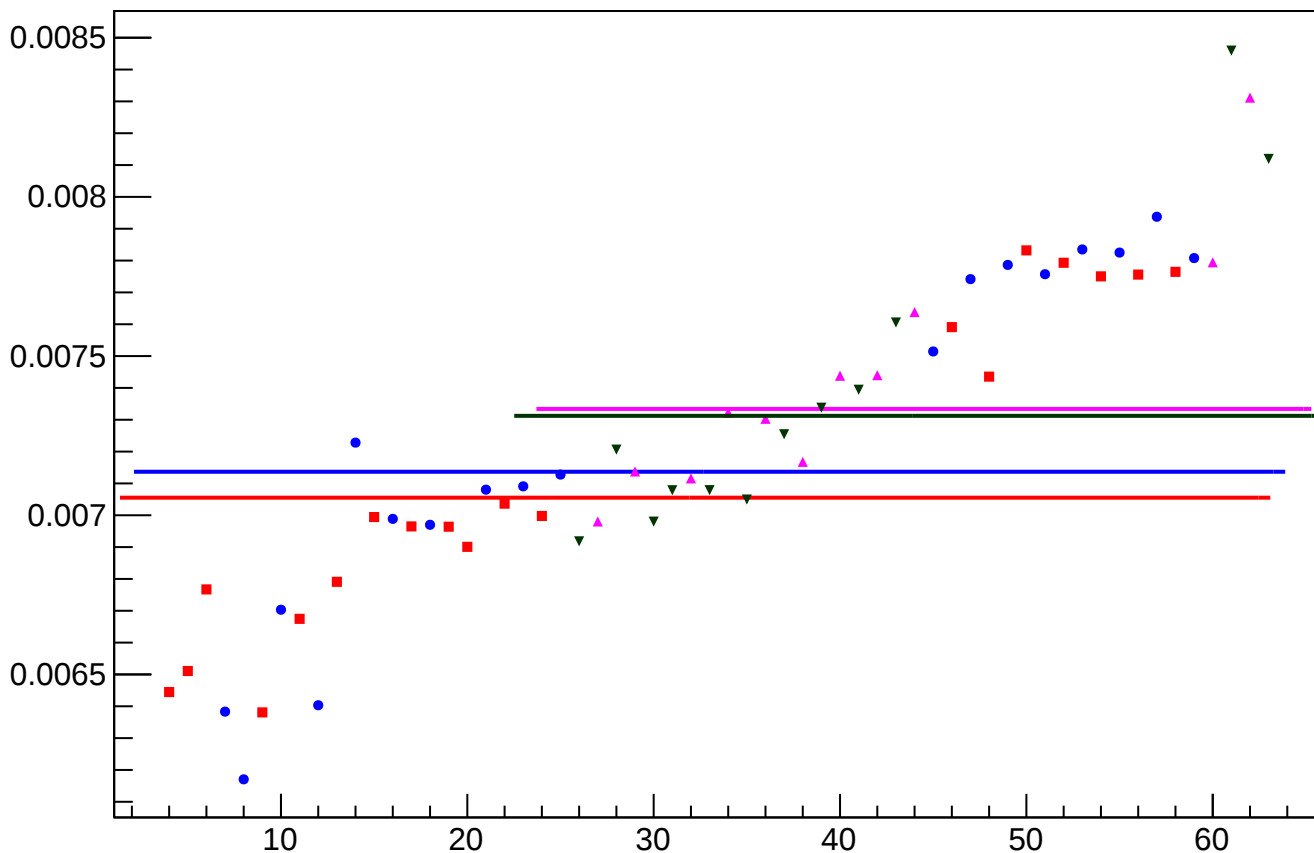
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -8.261+/-0.000 χ^2/NDF : 27627860997.7/10

-8.086+/-0.000 χ^2/NDF : 147448390527.9/29

-8.152+/-0.000 χ^2/NDF : 129525662238.9/29

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 141394.2/17

Left Out: 0.007+/-0.000 χ^2/NDF : 36773.8/11

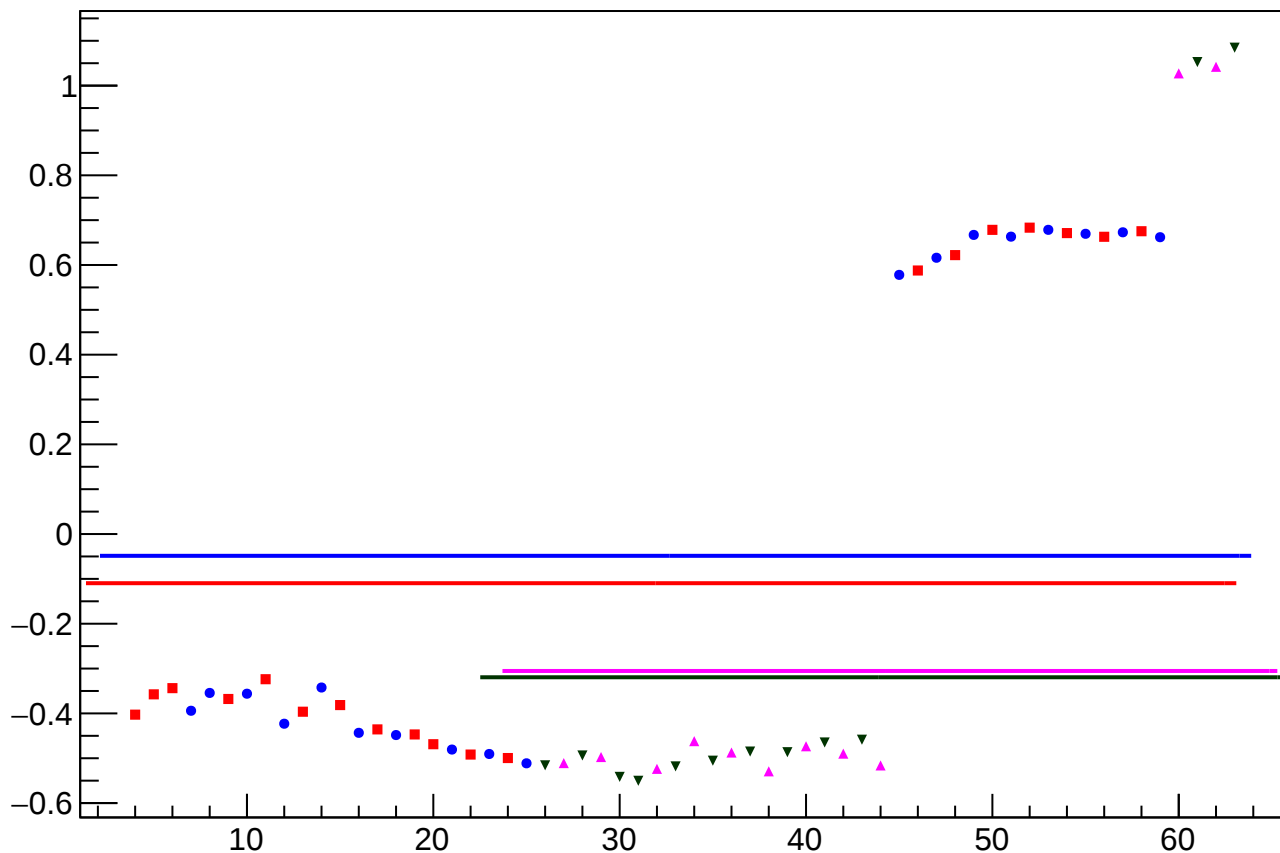
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.007+/-0.000 χ^2/NDF : 26892.5/10

0.007+/-0.000 χ^2/NDF : 182888.8/29

0.007+/-0.000 χ^2/NDF : 127608.1/29

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: -0.319+/-0.000 χ^2/NDF : 3680841028.6/11

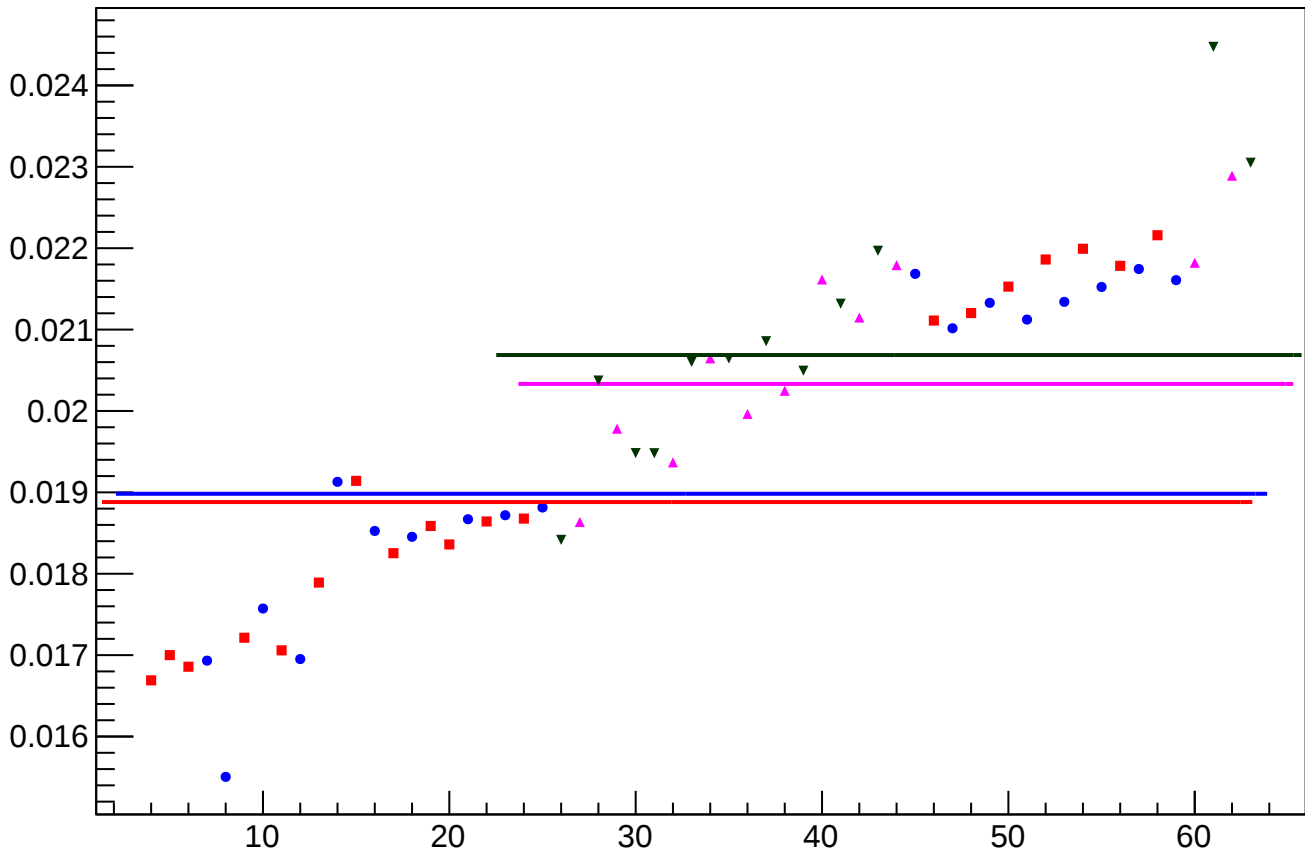
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: -0.305+/-0.000 χ^2/NDF : 4171855592.8/10

-0.135+/-0.000 χ^2/NDF : 12208334837.8/29

-0.181+/-0.000 χ^2/NDF : 10816106623.7/29

yield_bpm2i02X_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 254927.5/17

Left Out: 0.021+/-0.000 χ^2/NDF : 57505.3/11

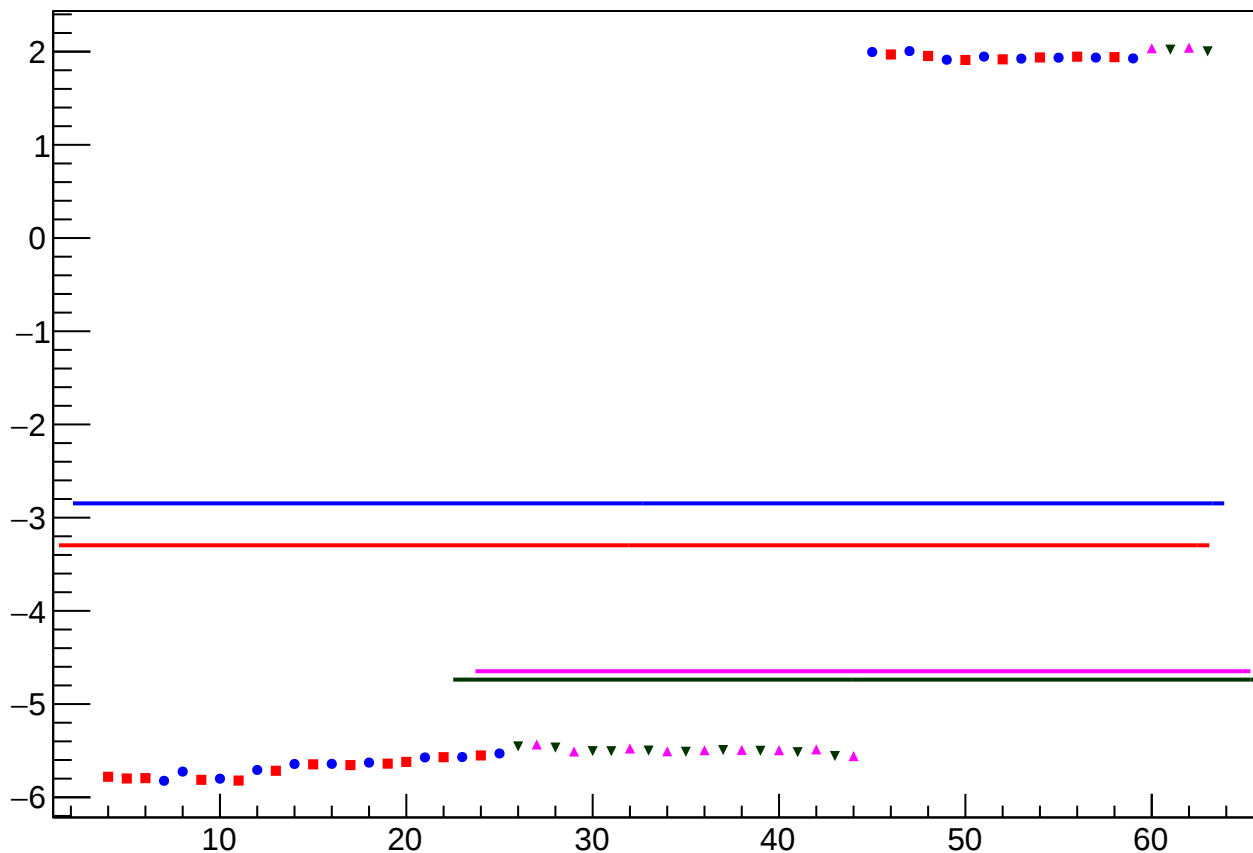
0.020+/-0.000 χ^2/NDF : 369562.0/29

Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

0.019+/-0.000 χ^2/NDF : 279276.6/29

Left In: 0.020+/-0.000 χ^2/NDF : 46371.9/10

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -4.738+/-0.000 χ^2/NDF : 212298051118.6/11

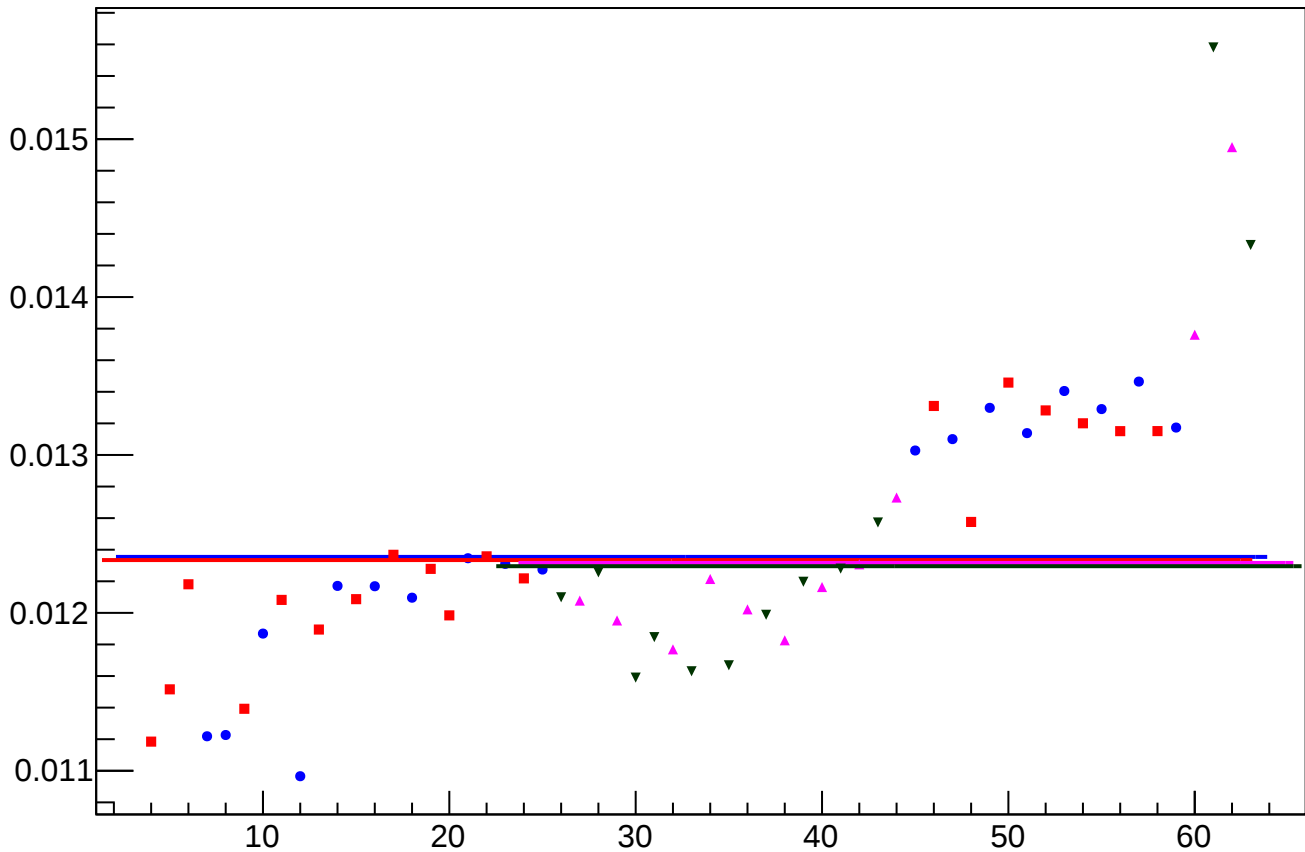
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -4.648+/-0.000 χ^2/NDF : 245057003733.5/10

-3.530+/-0.000 χ^2/NDF : 1294695823299.7/29

-3.839+/-0.000 χ^2/NDF : 1111652657044.6/29

yield_bpm2i02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 89844.3/17

Left Out: 0.012+/-0.000 χ^2/NDF : 69509.4/11

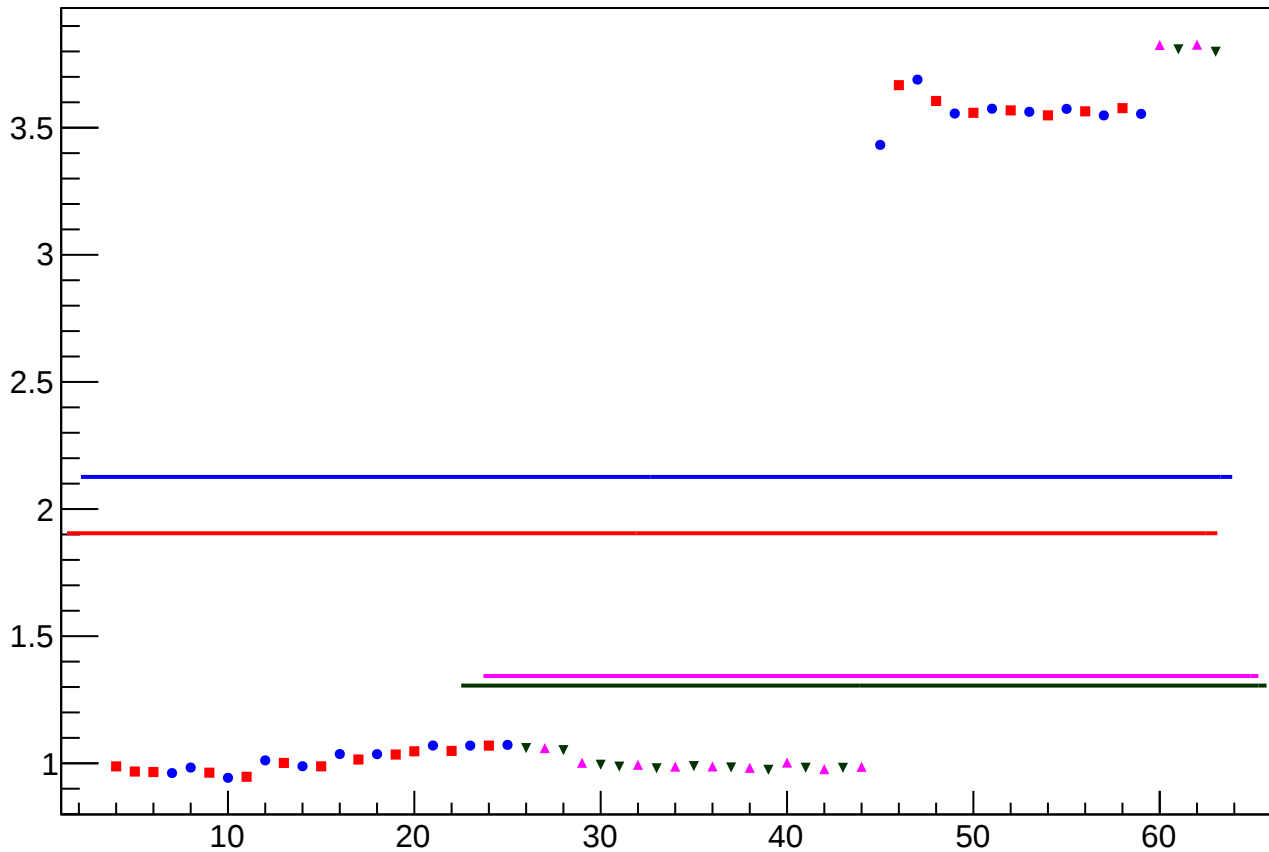
Right Out: 0.012+/-0.000 χ^2/NDF : 54886.5/18

Left In: 0.012+/-0.000 χ^2/NDF : 50025.8/10

0.012+/-0.000 χ^2/NDF : 159536.3/29

0.012+/-0.000 χ^2/NDF : 104929.6/29

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 1.306+/-0.000 χ^2/NDF : 81373086131.5/11

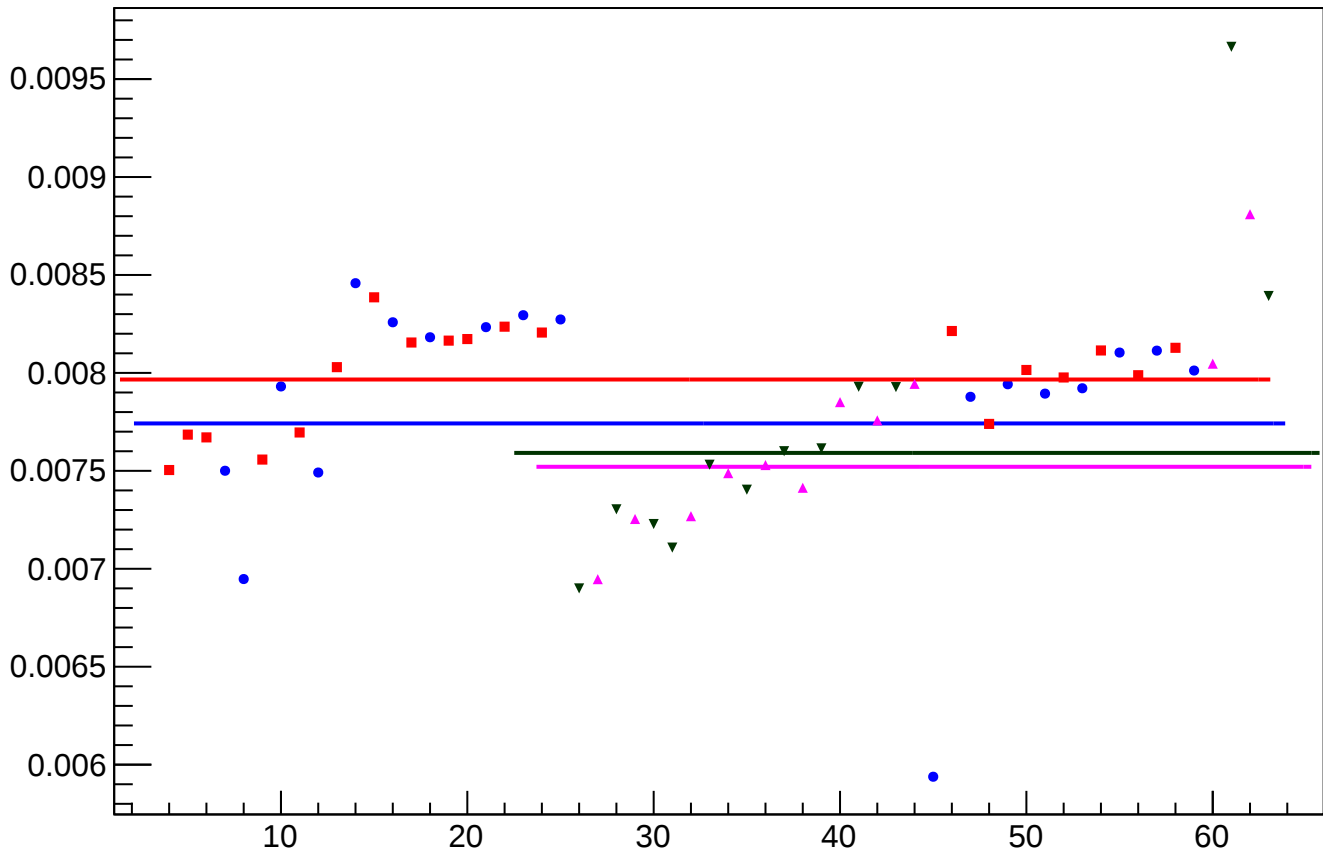
1.825+/-0.000 χ^2/NDF : 419641905745.2/29

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

1.666+/-0.000 χ^2/NDF : 354133388083.2/29

Left In: 1.343+/-0.000 χ^2/NDF : 97274169163.3/10

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 178907.2/17

Left Out: 0.008+/-0.000 χ^2/NDF : 68453.4/11

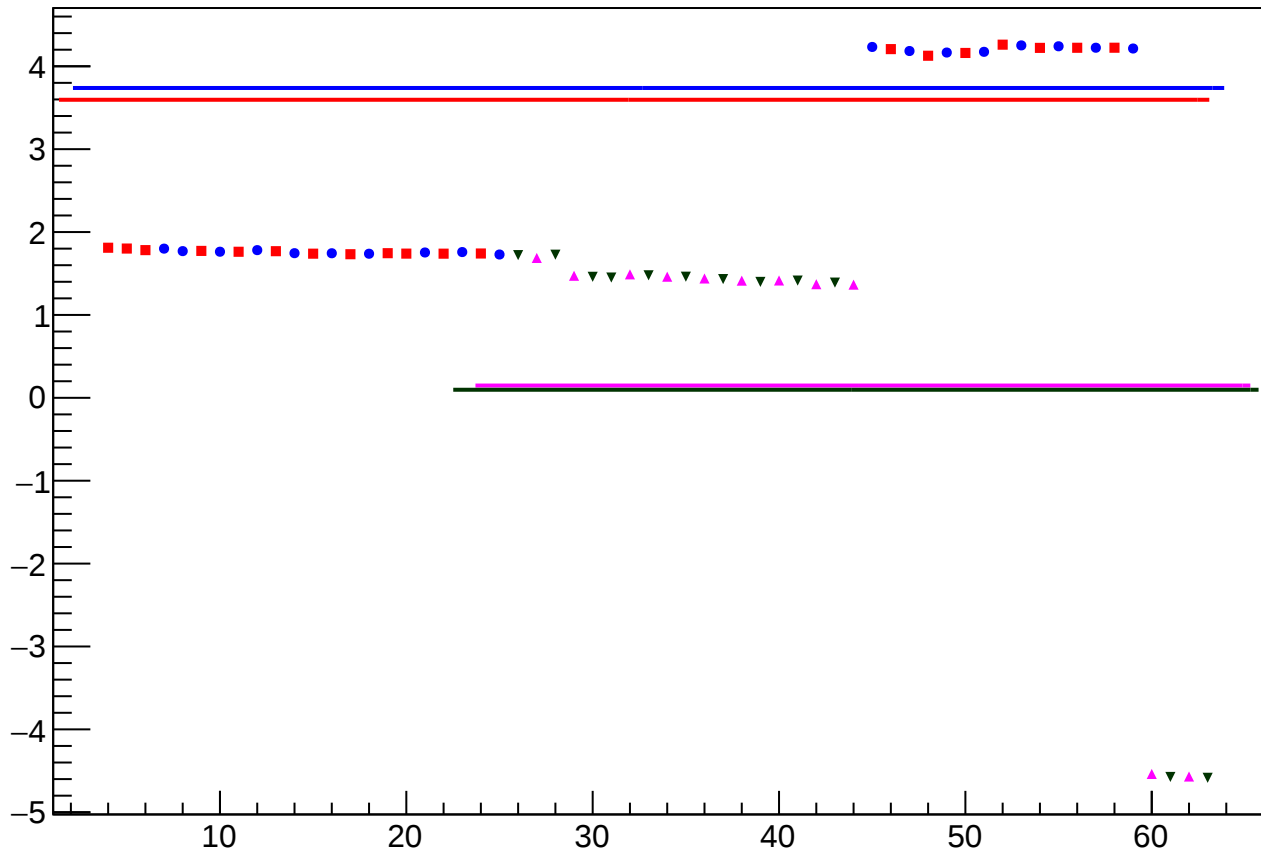
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF : 45189.2/10

0.008+/-0.000 χ^2/NDF : 250426.4/29

0.008+/-0.000 χ^2/NDF : 91499.0/29

yield_bpm1i04Y_mean vs slug



Right In: 3.738 $\pm$ 0.000 χ^2 /NDF: 502669373965.6/17

Left Out: 0.097 $\pm$ 0.000 χ^2 /NDF: 1301096376758.5/11

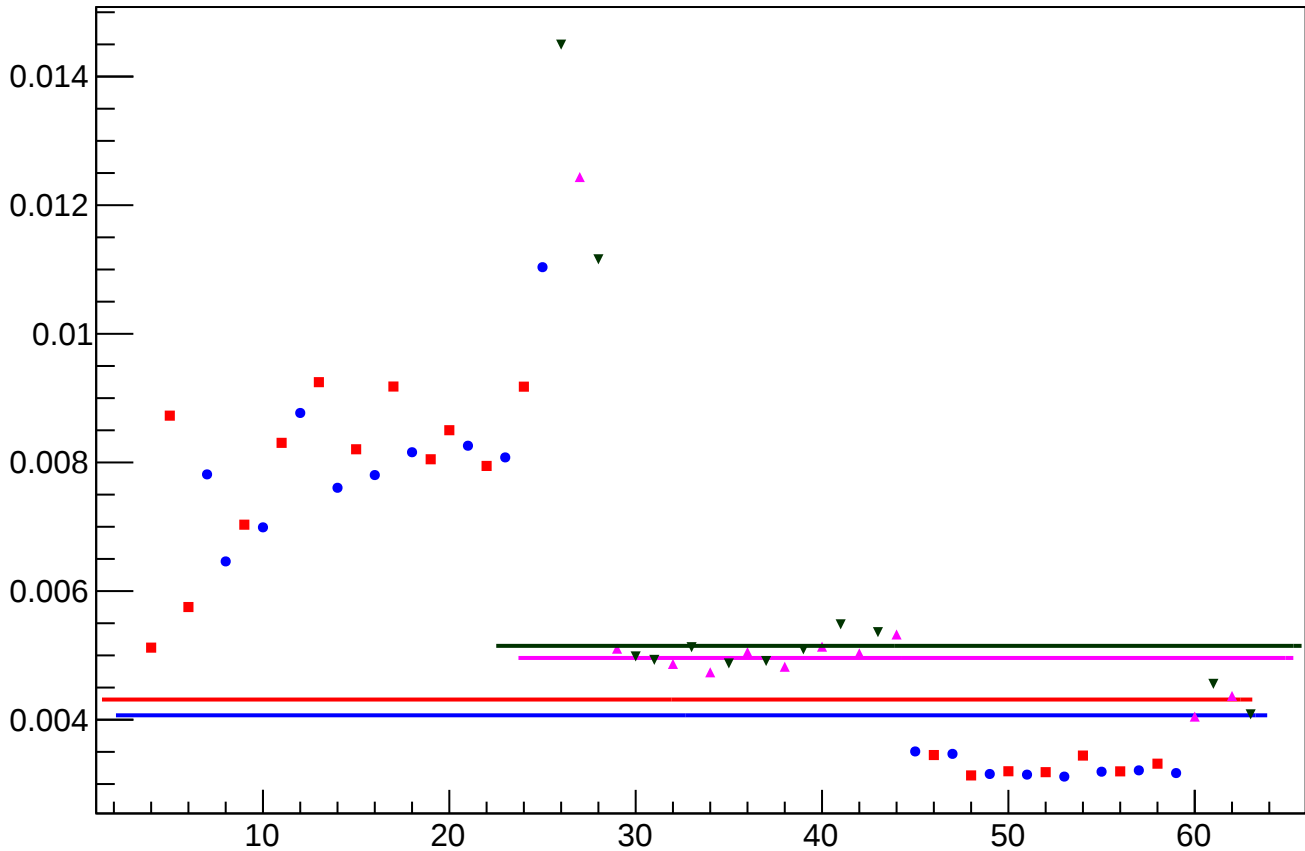
2.734 $\pm$ 0.000 χ^2 /NDF: 3776866134231.6/29

Right Out: 3.596 $\pm$ 0.000 χ^2 /NDF: 468031292414.6/18

2.344 $\pm$ 0.000 χ^2 /NDF: 3743515749735.8/29

Left In: 0.148 $\pm$ 0.000 χ^2 /NDF: 1460296123121.3/10

yield_bpm1i04Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 3401724.5/17

Left Out: 0.005+/-0.000 χ^2/NDF :855183.4/11

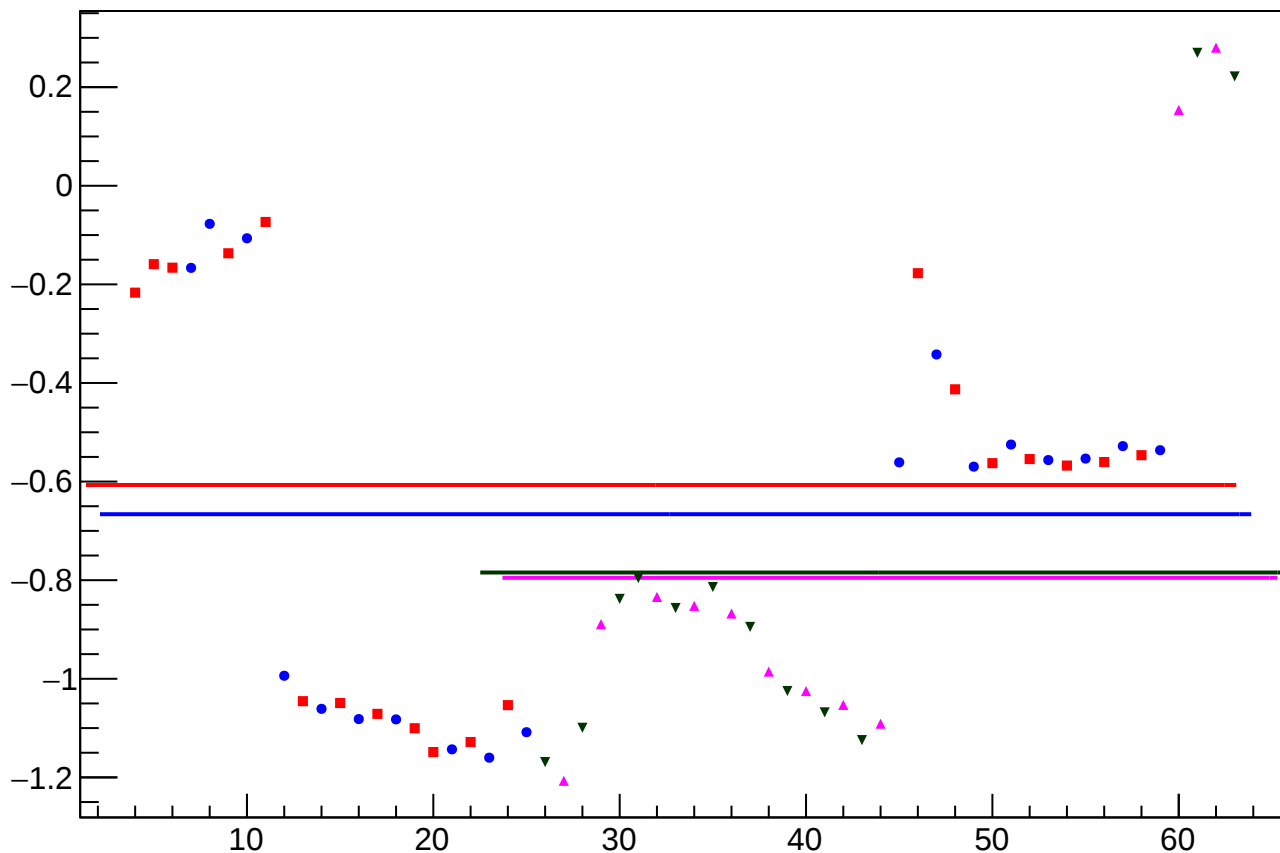
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.005+/-0.000 χ^2/NDF :598065.4/10

0.004+/-0.000 χ^2/NDF : 4604063.9/29

0.005+/-0.000 χ^2/NDF : 3966946.9/29

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.784+/-0.000 χ^2/NDF : 15139410431.5/11

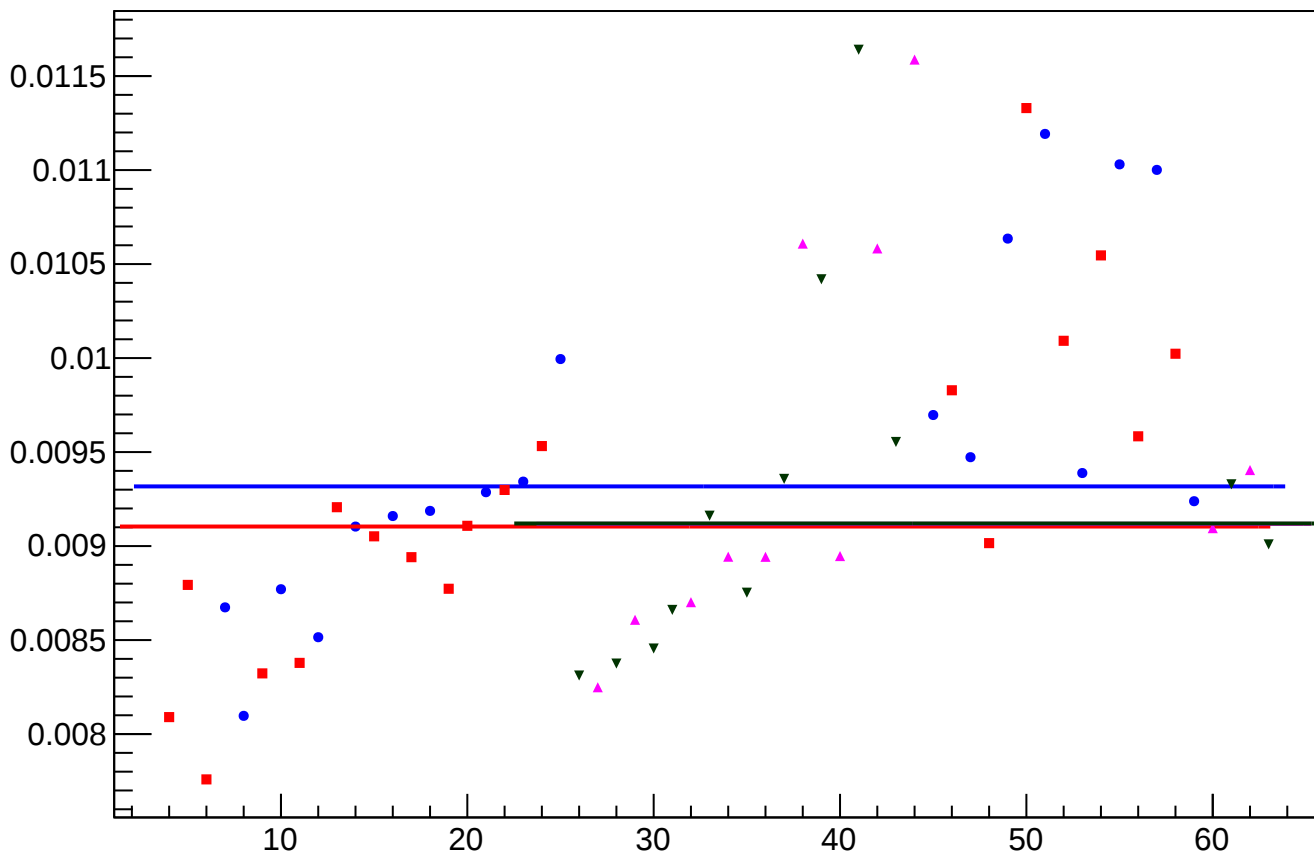
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.795+/-0.000 χ^2/NDF : 15311232576.5/10

-0.710+/-0.000 χ^2/NDF : 34921365220.1/29

-0.682+/-0.000 χ^2/NDF : 36183870893.1/29

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 165772.4/17

Left Out: 0.009+/-0.000 χ^2/NDF :104782.5/11

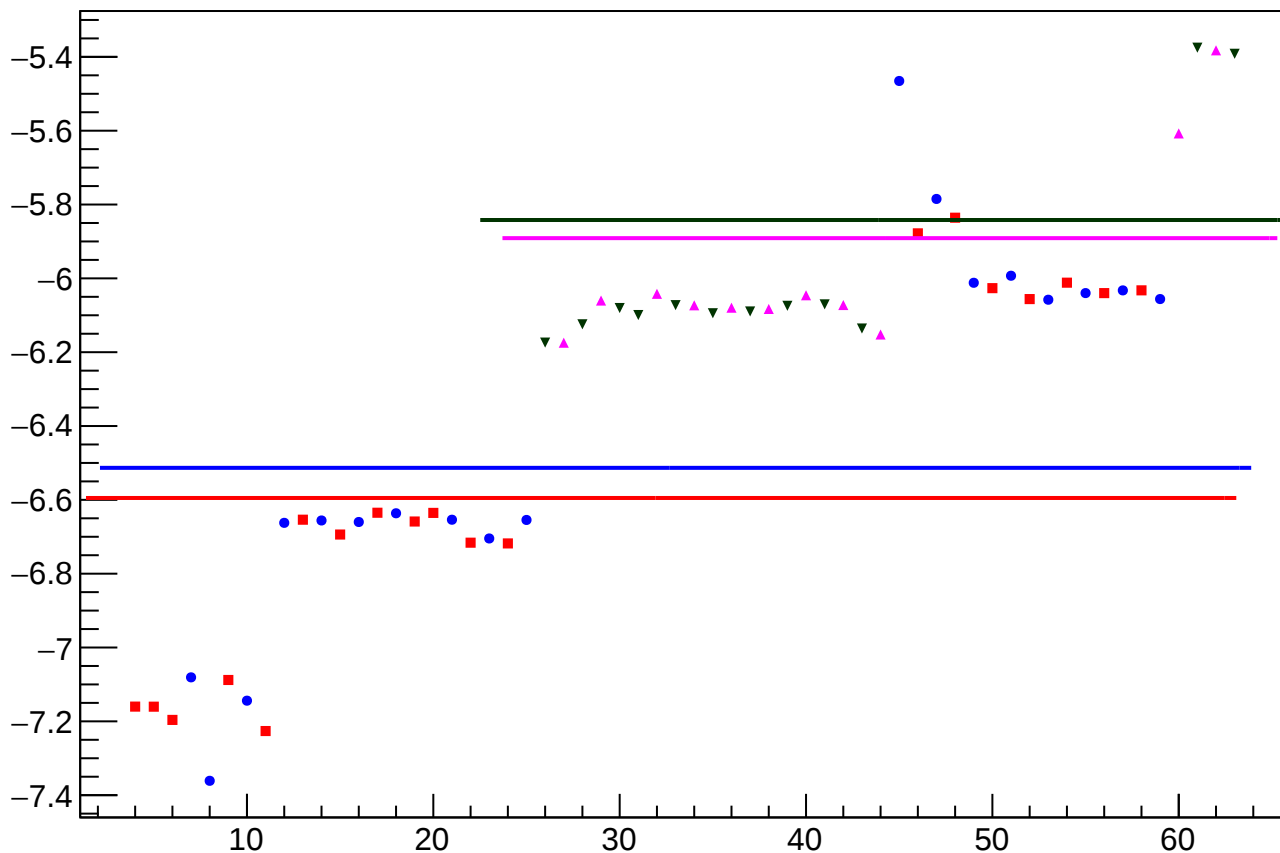
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.009+/-0.000 χ^2/NDF :116494.2/10

0.009+/-0.000 χ^2/NDF : 274152.9/29

0.009+/-0.000 χ^2/NDF : 275606.1/29

yield_bpm0l01Y_mean vs slug



Right In: -6.513+/-0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.842+/-0.000 χ^2/NDF :10212504437.2/11

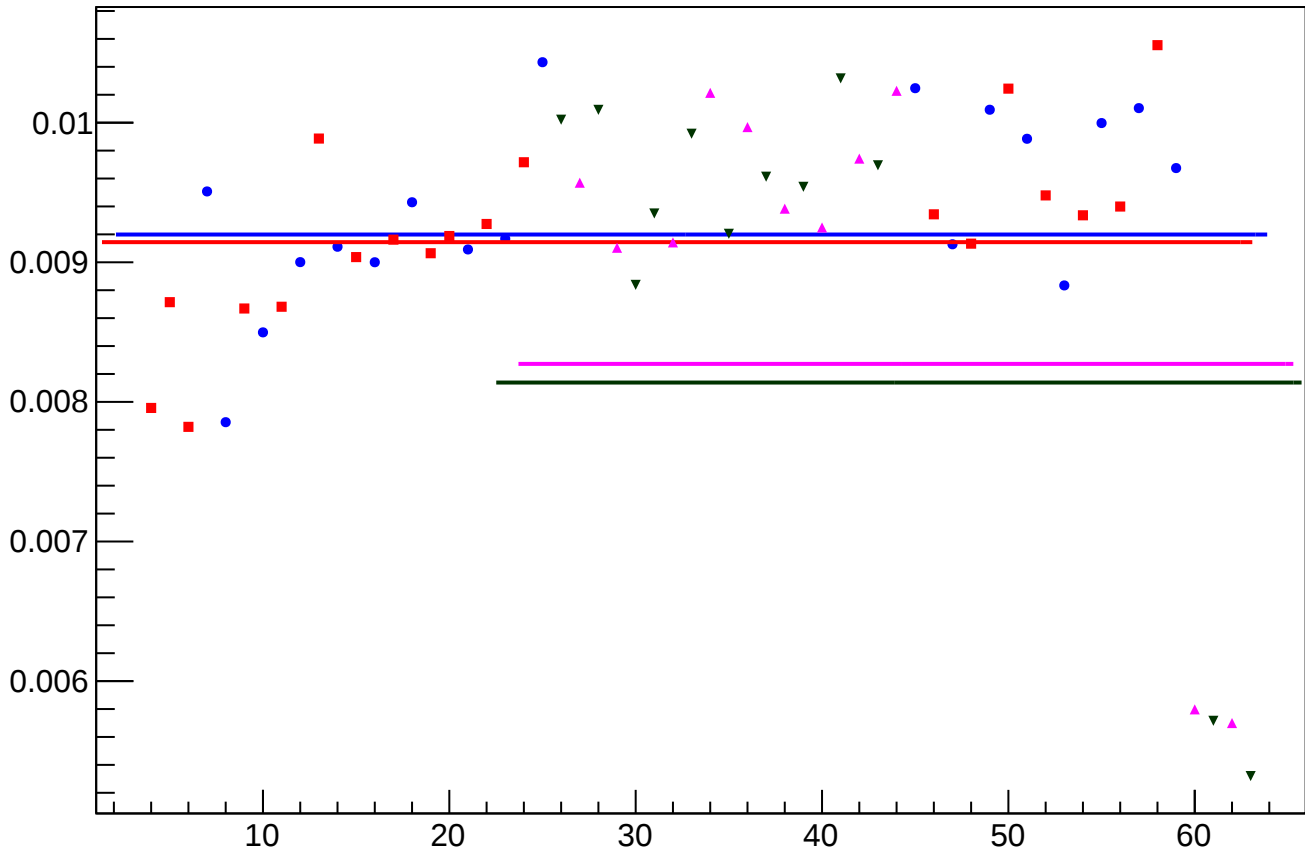
Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

Left In: -5.891+/-0.000 χ^2/NDF :7393522028.7/10

-6.243+/-0.000 χ^2/NDF : 67532946348.9/29

-6.284+/-0.000 χ^2/NDF : 58105942487.0/29

yield_bpm0l01Y_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 120528.1/17

Left Out: 0.008+/-0.000 χ^2/NDF : 709215.7/11

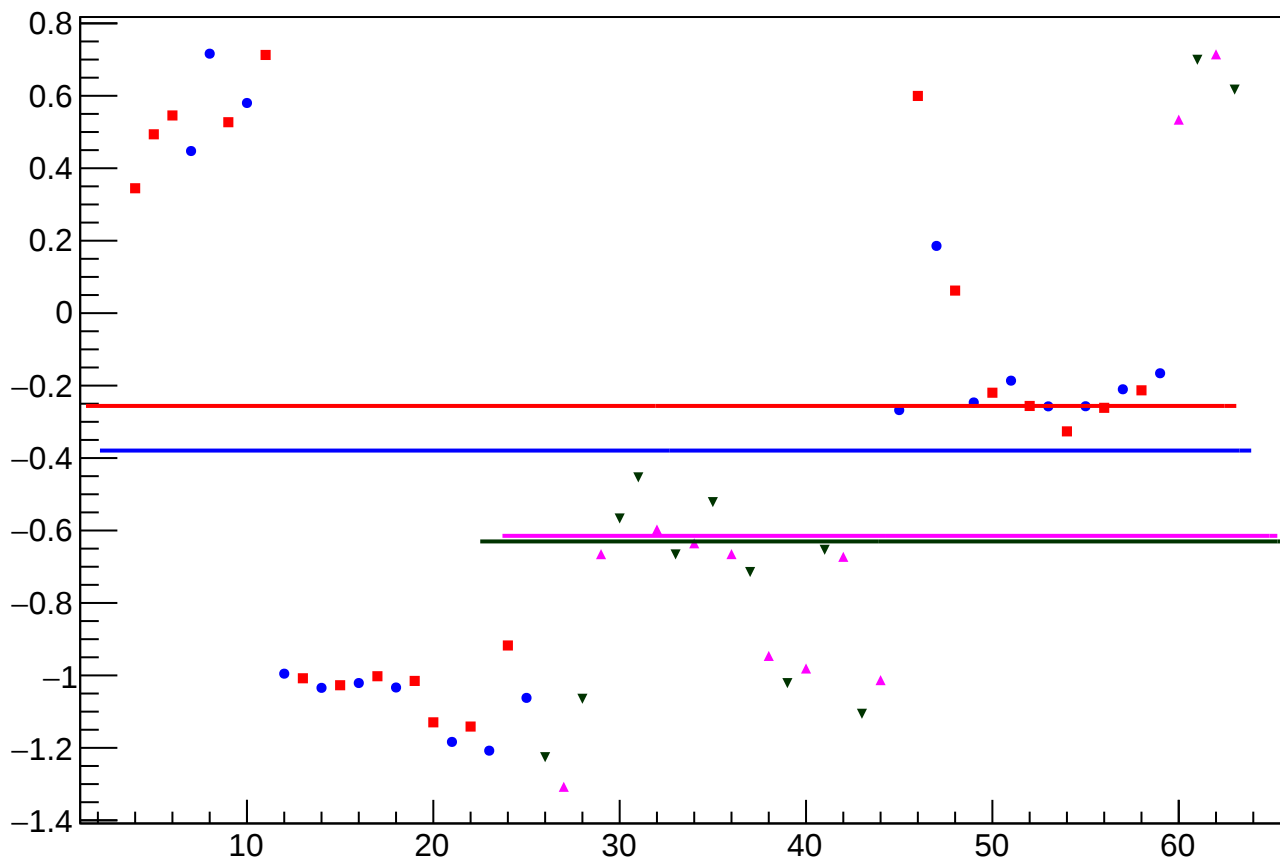
Right Out: 0.009+/-0.000 χ^2/NDF : 101222.8/18

Left In: 0.008+/-0.000 χ^2/NDF : 588278.2/10

0.009+/-0.000 χ^2/NDF : 945550.1/29

0.009+/-0.000 χ^2/NDF : 766050.9/29

yield_bpm0l02X_mean vs slug



Right In: -0.379+/-0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.630+/-0.000 χ^2/NDF : 7447531867.7/11

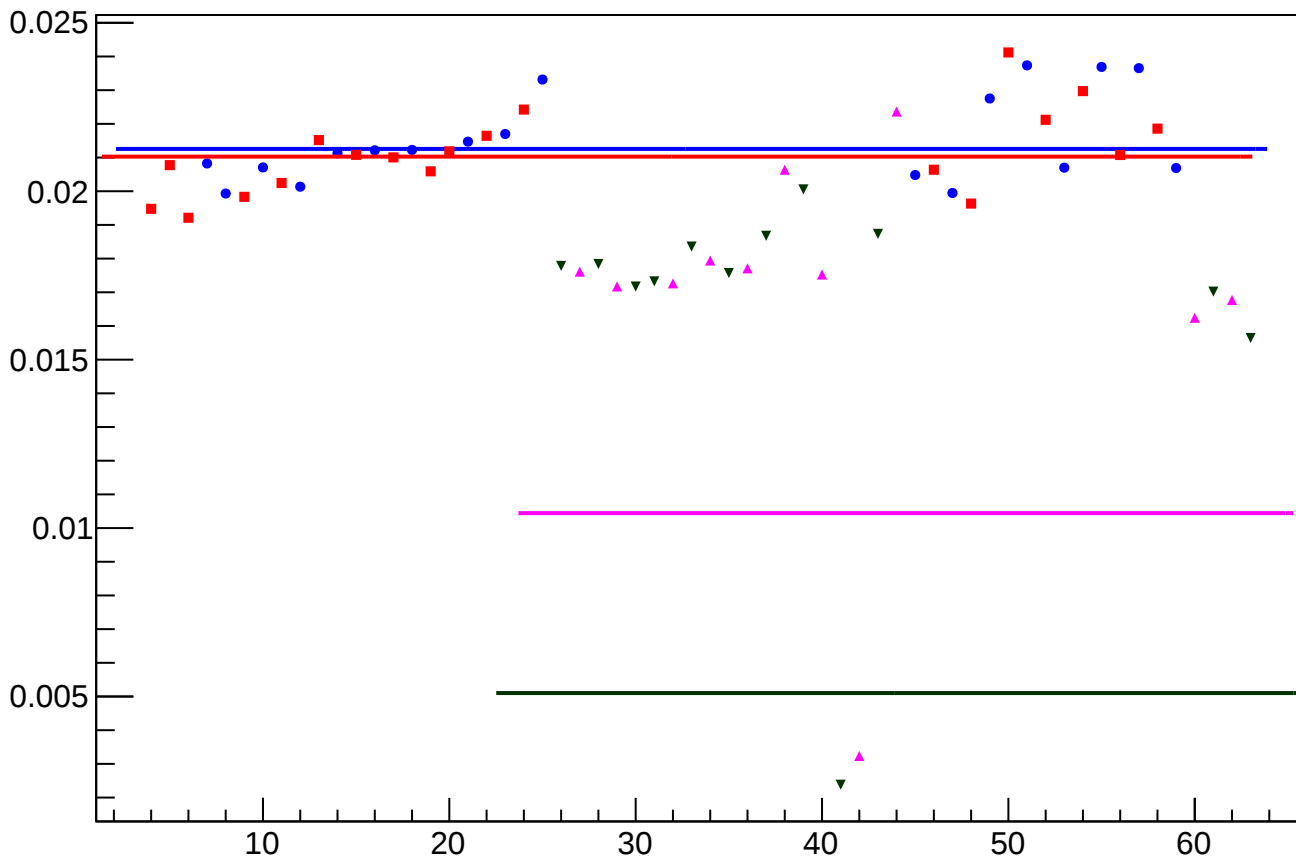
Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.615+/-0.000 χ^2/NDF : 7500305047.2/10

-0.581+/-0.000 χ^2/NDF : 18818539578.8/29

-0.484+/-0.000 χ^2/NDF : 19403920560.0/29

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 64142.6/17

Left Out: 0.005+/-0.000 χ^2/NDF : 6915597.4/11

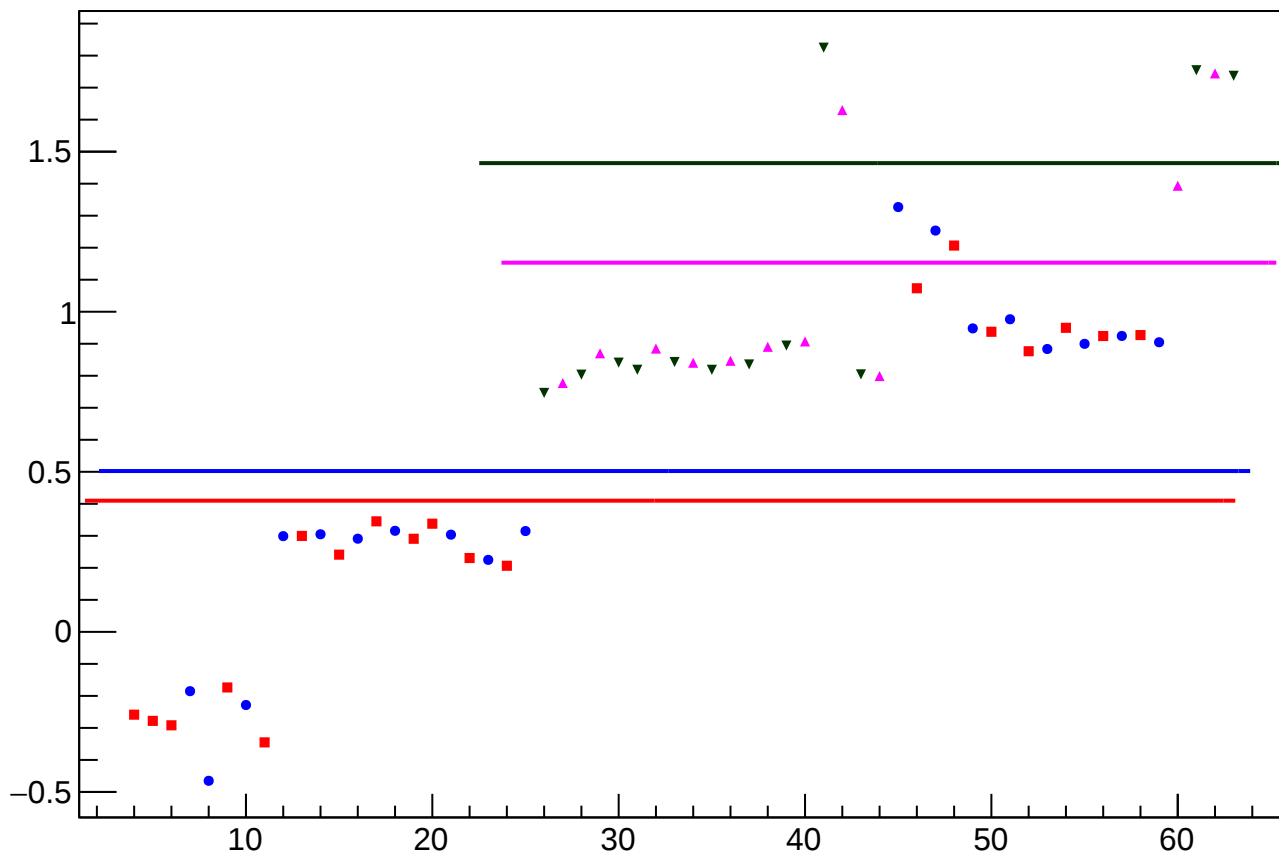
Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

Left In: 0.010+/-0.000 χ^2/NDF : 4117469.9/10

0.008+/-0.000 χ^2/NDF : 17216206.7/29

0.014+/-0.000 χ^2/NDF : 7316804.2/29

yield_bpm0l02Y_mean vs slug



Right In: 0.502+/-0.000 χ^2/NDF : 19155654908.3/17

Left Out: 1.043+/-0.000 χ^2/NDF : 21054221609.0/11

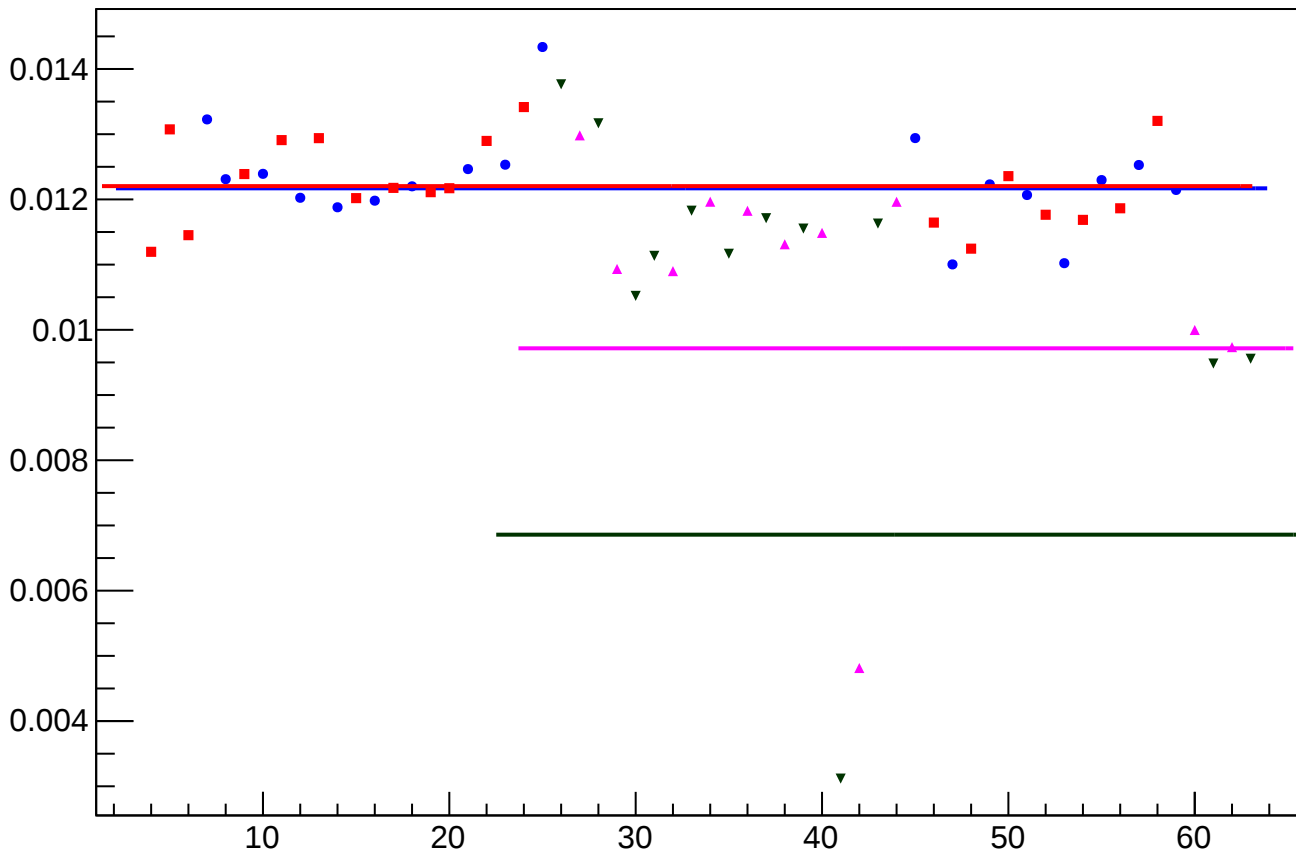
Right Out: 0.410+/-0.000 χ^2/NDF : 16439315084.0/18

Left In: 1.153+/-0.000 χ^2/NDF : 8711419464.6/10

1.043+/-0.000 χ^2/NDF : 78649590759.2/29

0.774+/-0.000 χ^2/NDF : 42634819076.8/29

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45604.3/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:3216516.3/11

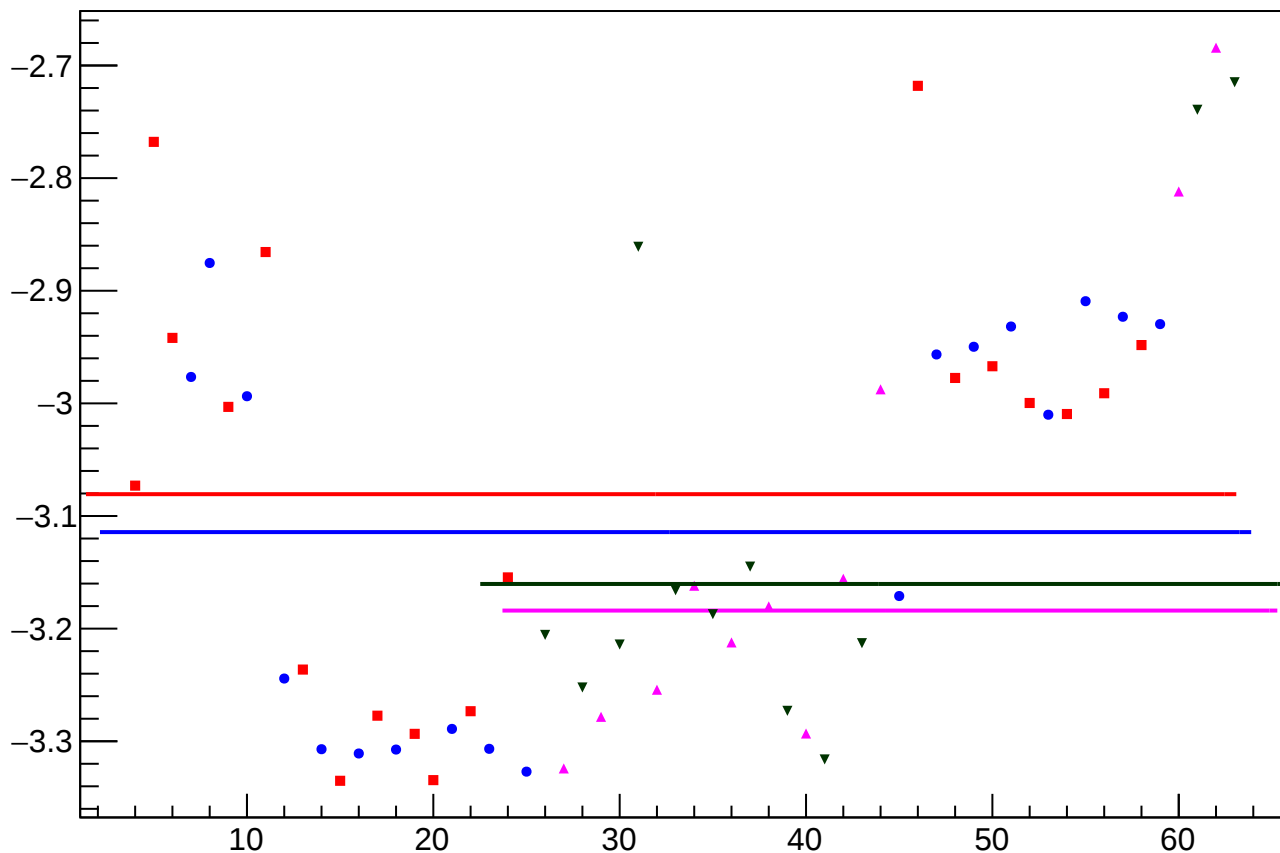
0.009 $\pm$ 0.000 χ^2 /NDF: 5606467.8/29

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1424619.7/29

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:979963.3/10

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.160+/-0.000 χ^2/NDF : 3367897788.1/11

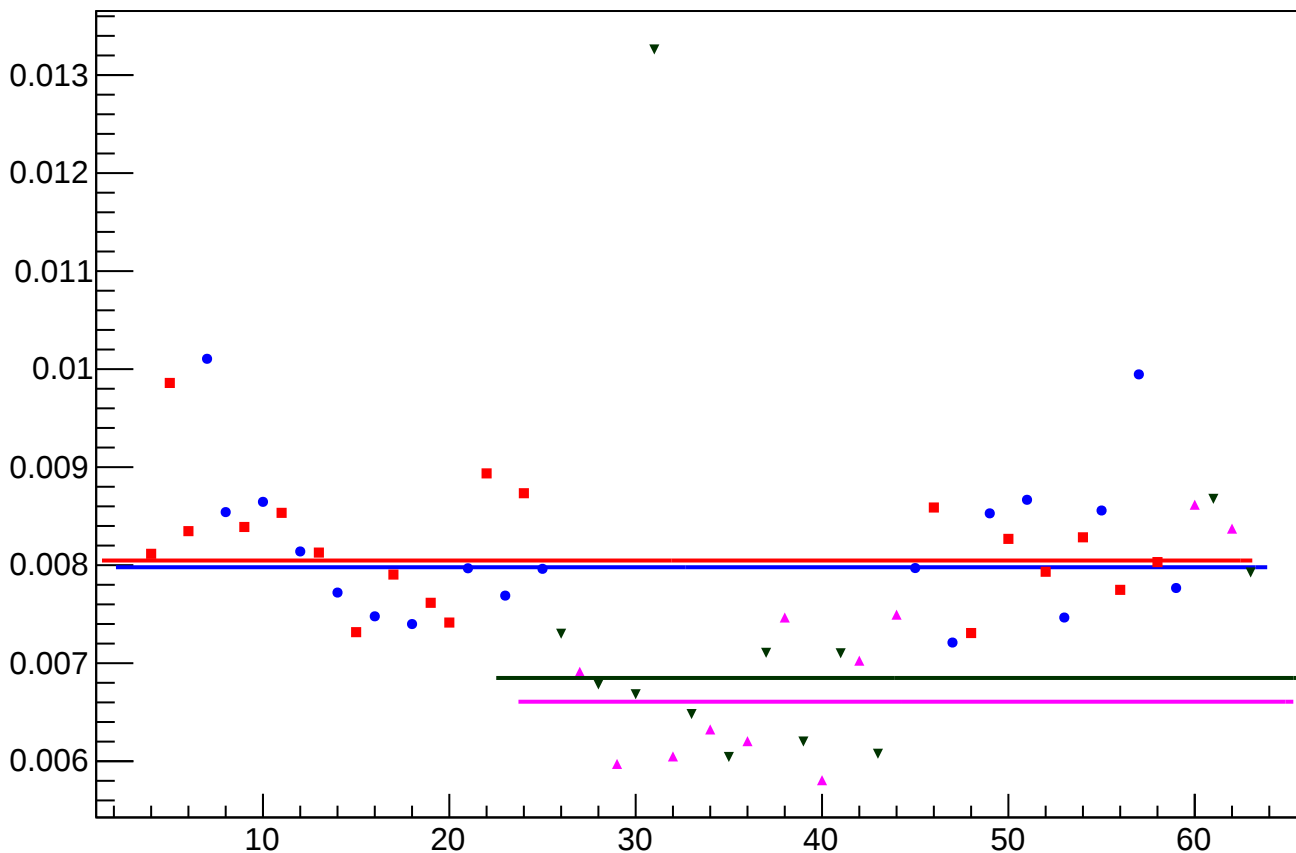
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.184+/-0.000 χ^2/NDF : 3670018596.4/10

-3.134+/-0.000 χ^2/NDF : 8132053947.4/29

-3.133+/-0.000 χ^2/NDF : 8205225751.5/29

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 95241.7/17

Left Out: 0.007+/-0.000 χ^2/NDF : 232051.9/11

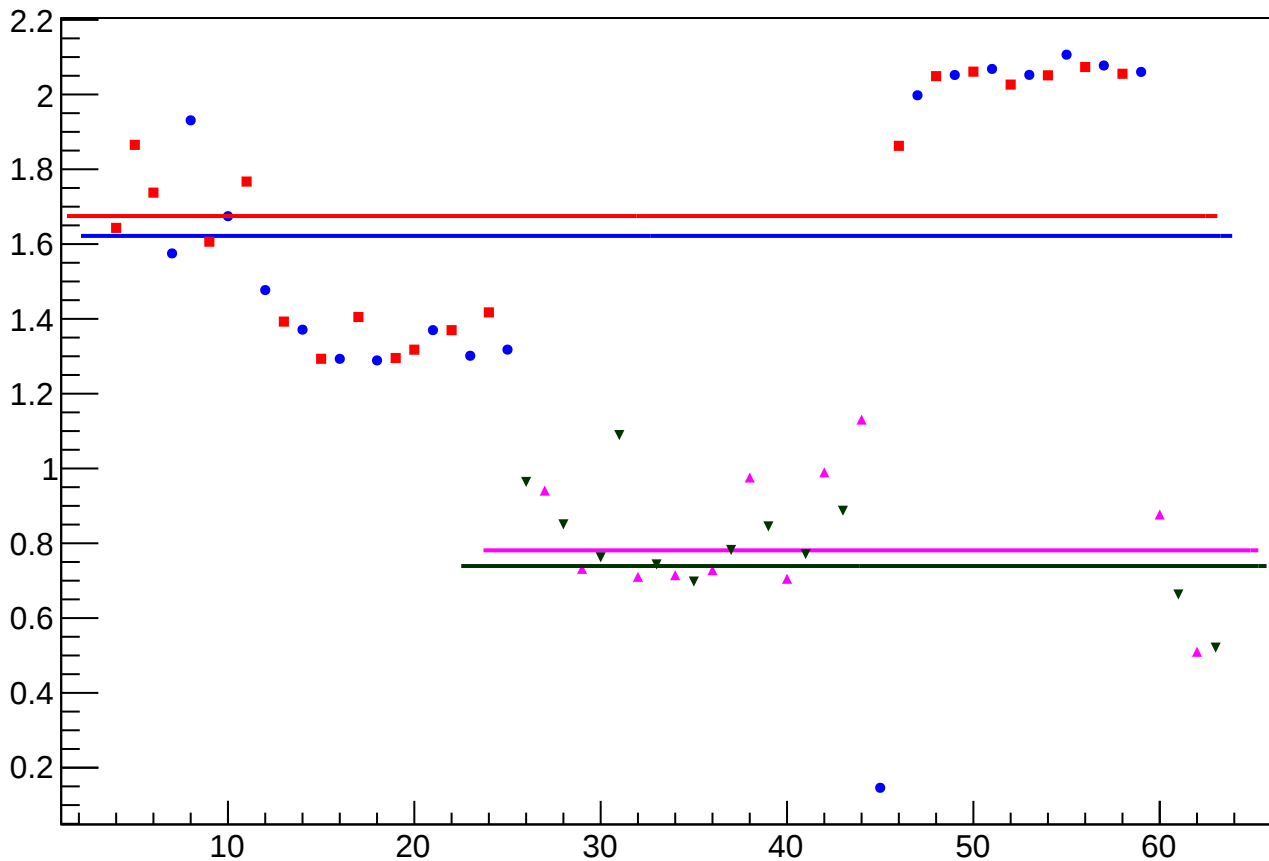
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 177513.0/10

0.007+/-0.000 χ^2/NDF : 491536.8/29

0.007+/-0.000 χ^2/NDF : 505452.4/29

yield_bpm0l03Y_mean vs slug



Right In: 1.622 $\pm$ 0.000 χ^2 /NDF: 26006902897.9/17

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:1460947998.3/11

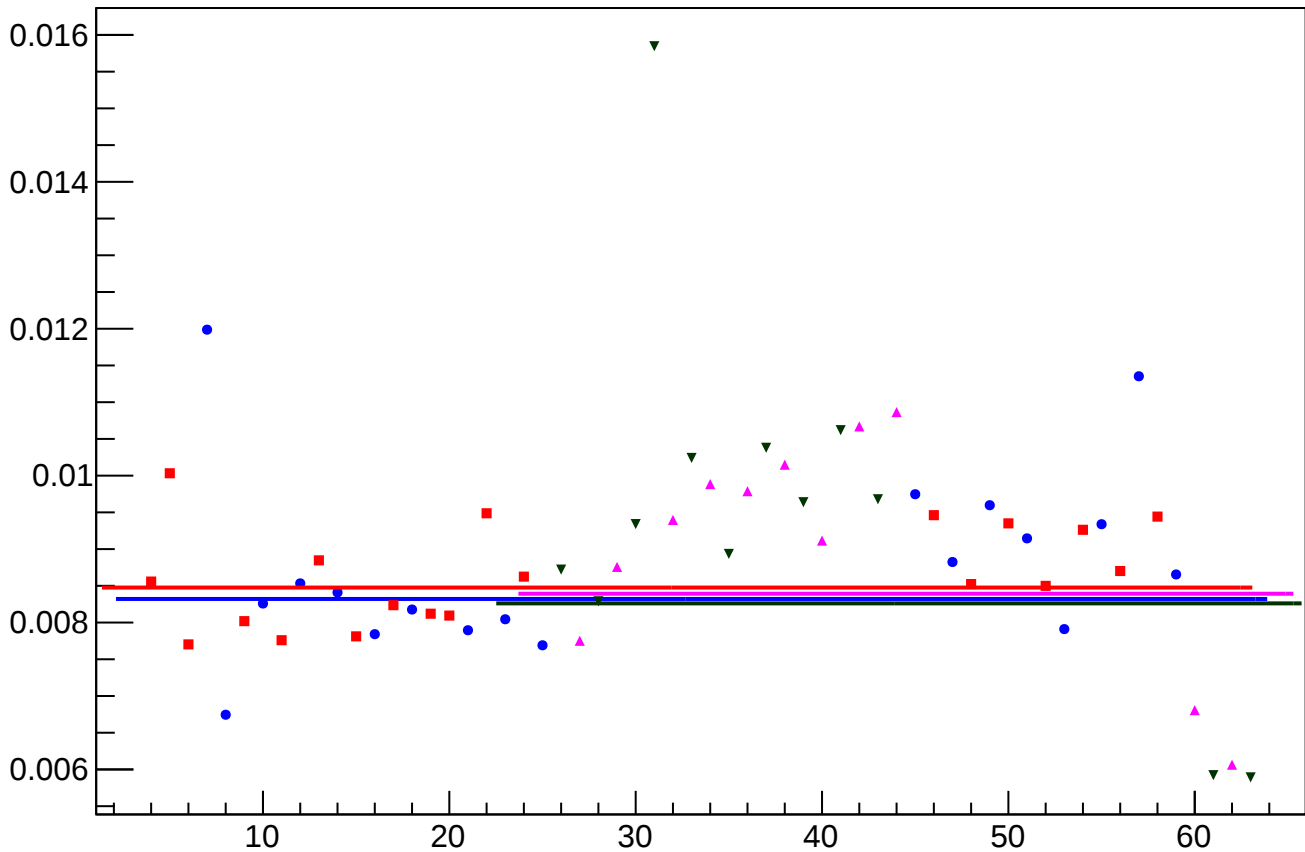
1.309 $\pm$ 0.000 χ^2 /NDF: 64764725089.6/29

Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 9809193440.2/18

1.306 $\pm$ 0.000 χ^2 /NDF: 49592556432.5/29

Left In: 0.781 $\pm$ 0.000 χ^2 /NDF:2202808257.9/10

yield_bpm0l03Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 231289.2/17

Left Out: 0.008+/-0.000 χ^2/NDF : 589676.2/11

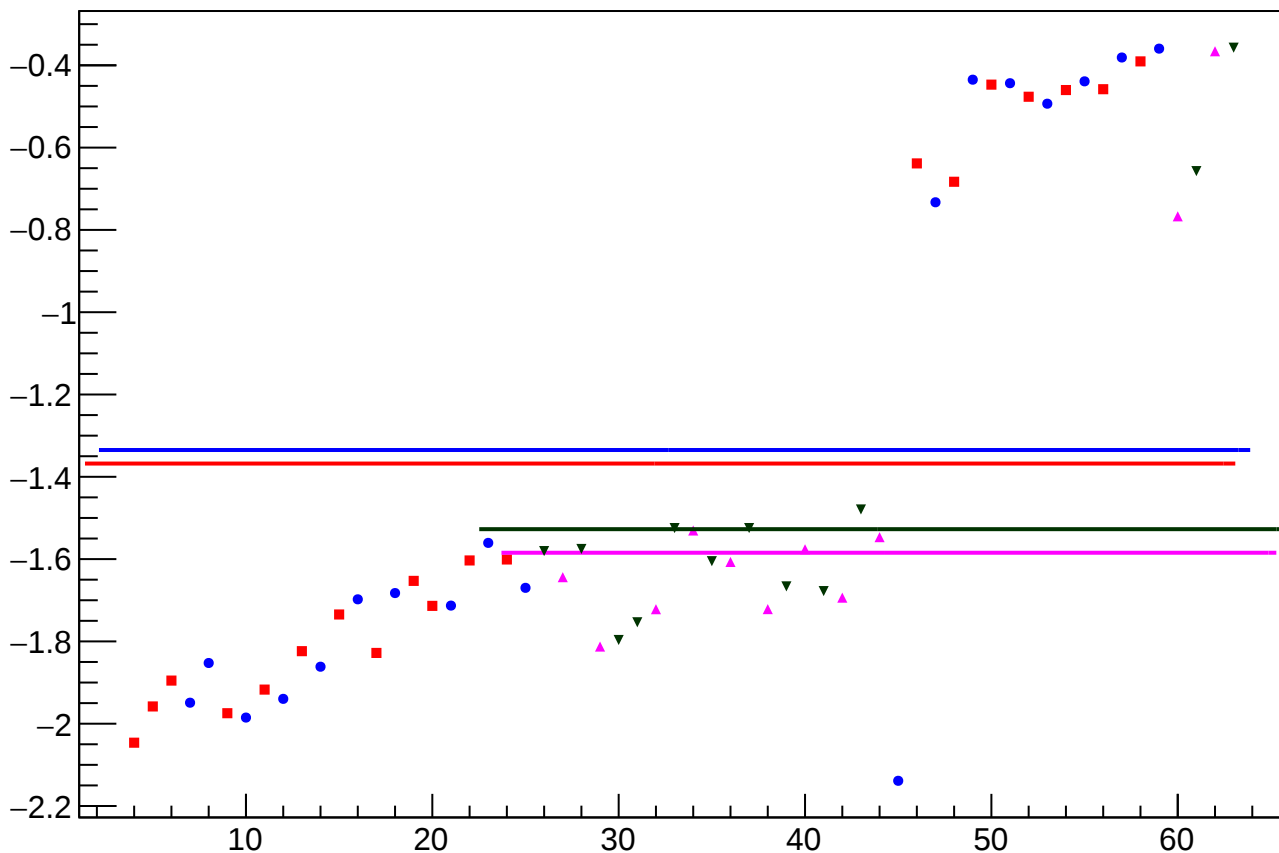
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.008+/-0.000 χ^2/NDF : 367706.7/10

0.008+/-0.000 χ^2/NDF : 821314.3/29

0.008+/-0.000 χ^2/NDF : 448522.7/29

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.527+/-0.000 χ^2/NDF : 3914428625.4/11

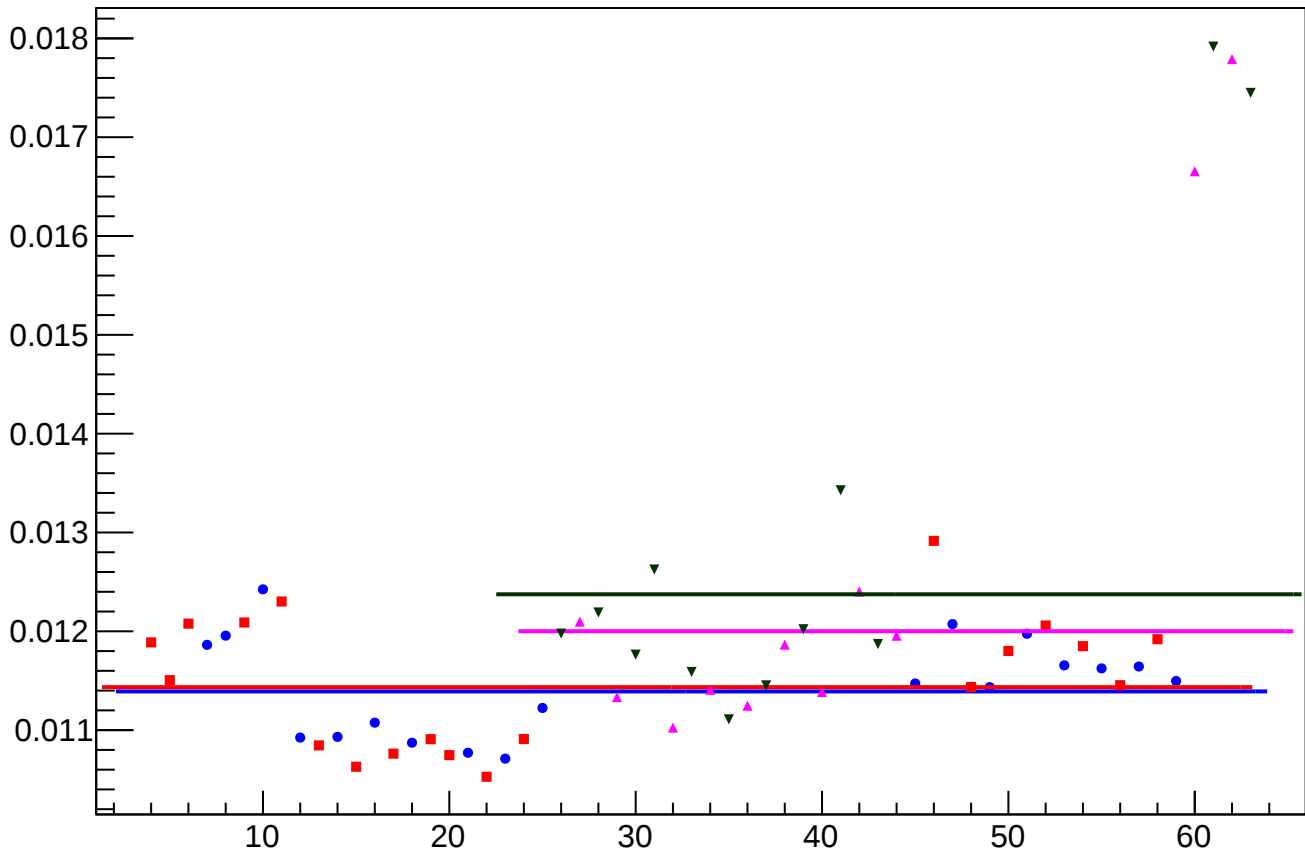
-1.396+/-0.000 χ^2/NDF : 43313799198.8/29

Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

-1.449+/-0.000 χ^2/NDF : 34532235724.3/29

Left In: -1.585+/-0.000 χ^2/NDF : 4153676280.1/10

yield_bpm0l04X_rms vs slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 41989.4/17

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 206484.0/11

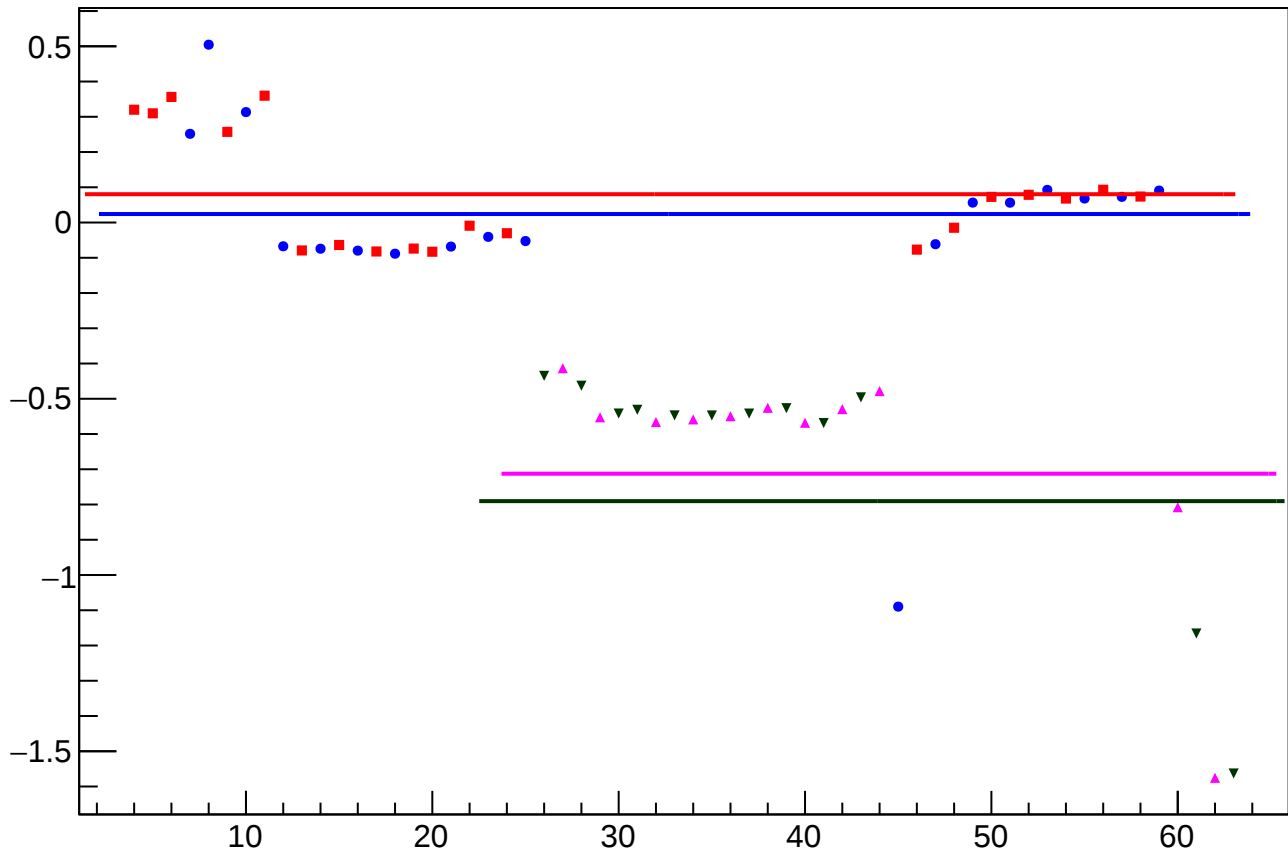
Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 65676.1/18

Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 215648.9/10

0.012 $\pm$ 0.000 χ^2/NDF : 300794.0/29

0.012 $\pm$ 0.000 χ^2/NDF : 299319.6/29

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -0.790+/-0.000 χ^2/NDF : 20570849697.8/11

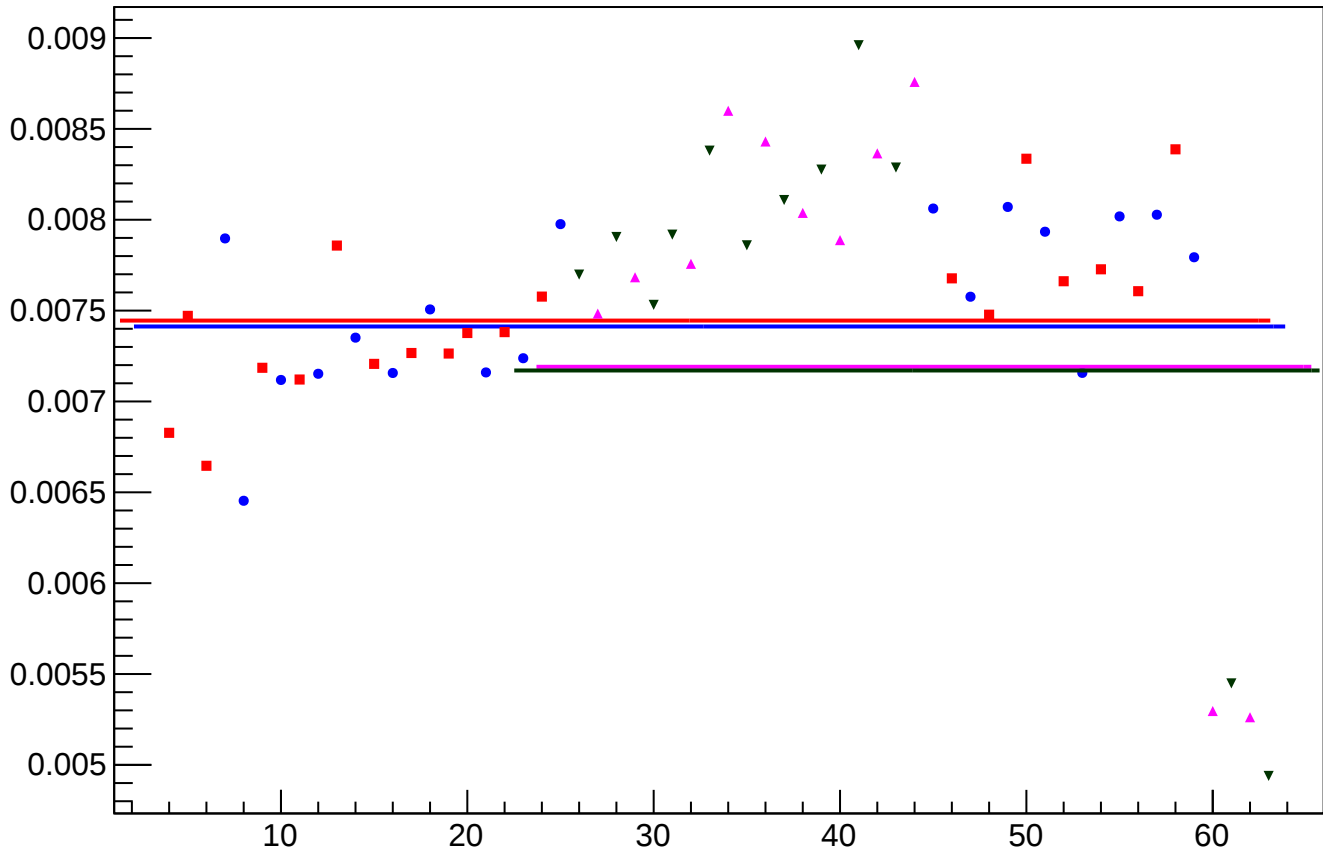
-0.273+/-0.000 χ^2/NDF : 86734216785.3/29

Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

-0.248+/-0.000 χ^2/NDF : 65665232718.0/29

Left In: -0.713+/-0.000 χ^2/NDF : 16154302931.6/10

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 91120.7/17

Left Out: 0.007+/-0.000 χ^2/NDF : 441449.8/11

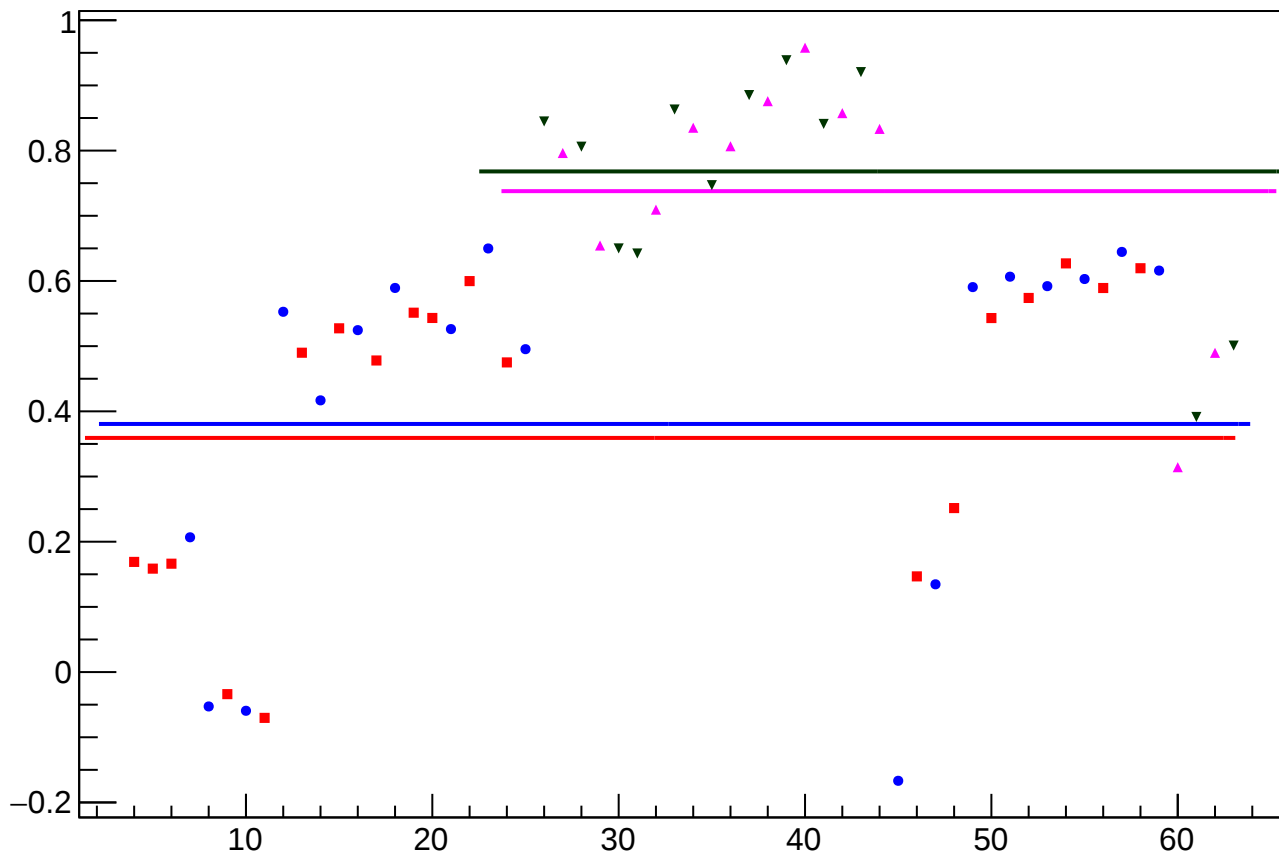
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.007+/-0.000 χ^2/NDF : 398275.5/10

0.007+/-0.000 χ^2/NDF : 541038.1/29

0.007+/-0.000 χ^2/NDF : 468642.5/29

yield_bpm0l05X_mean vs slug



Right In: 0.381+/-0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.768+/-0.000 χ^2/NDF : 2806422547.2/11

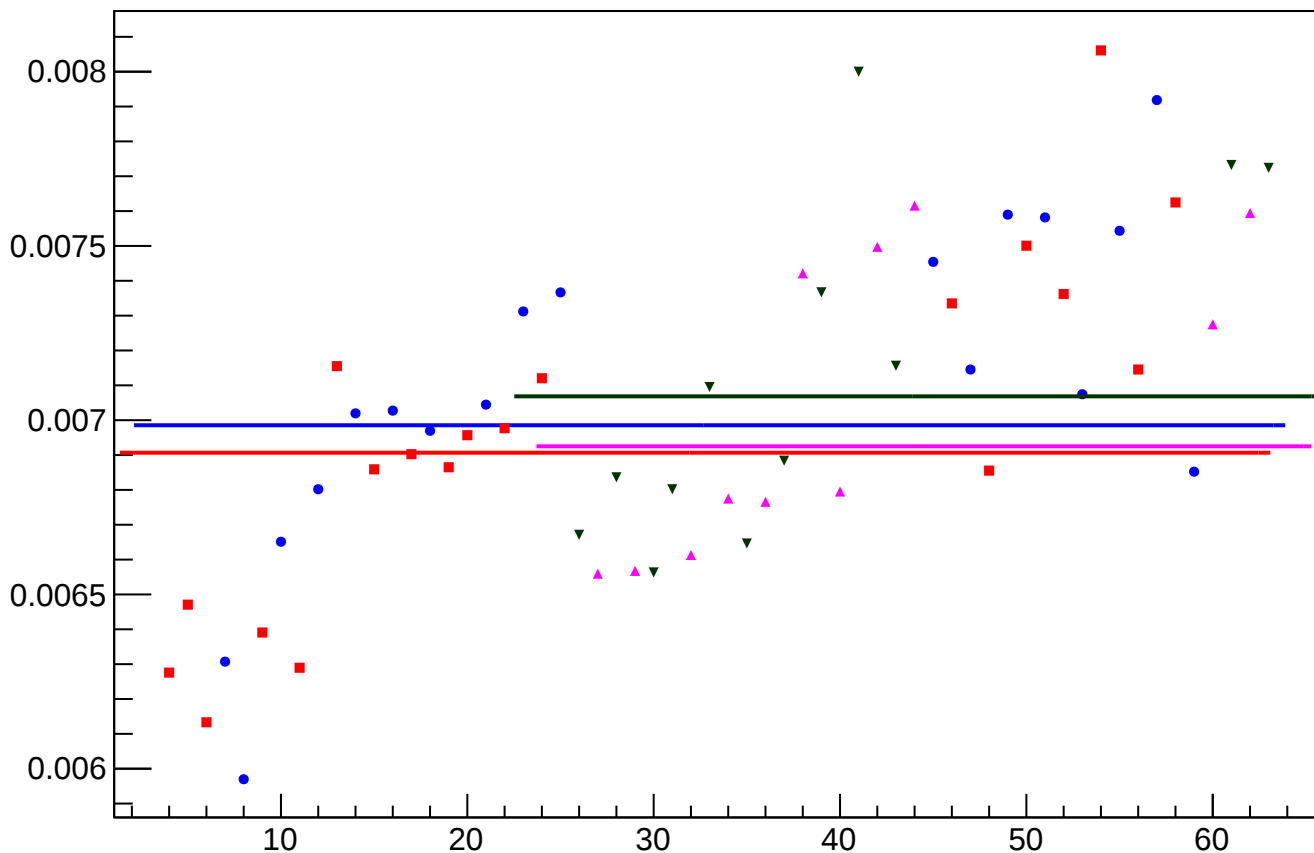
Right Out: 0.359+/-0.000 χ^2/NDF : 11904326957.3/18

Left In: 0.738+/-0.000 χ^2/NDF : 3554259910.4/10

0.518+/-0.000 χ^2/NDF : 32486971656.3/29

0.511+/-0.000 χ^2/NDF : 27129790493.4/29

yield_bpm0l05X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 107156.0/17

Left Out: 0.007+/-0.000 χ^2/NDF : 48312.0/11

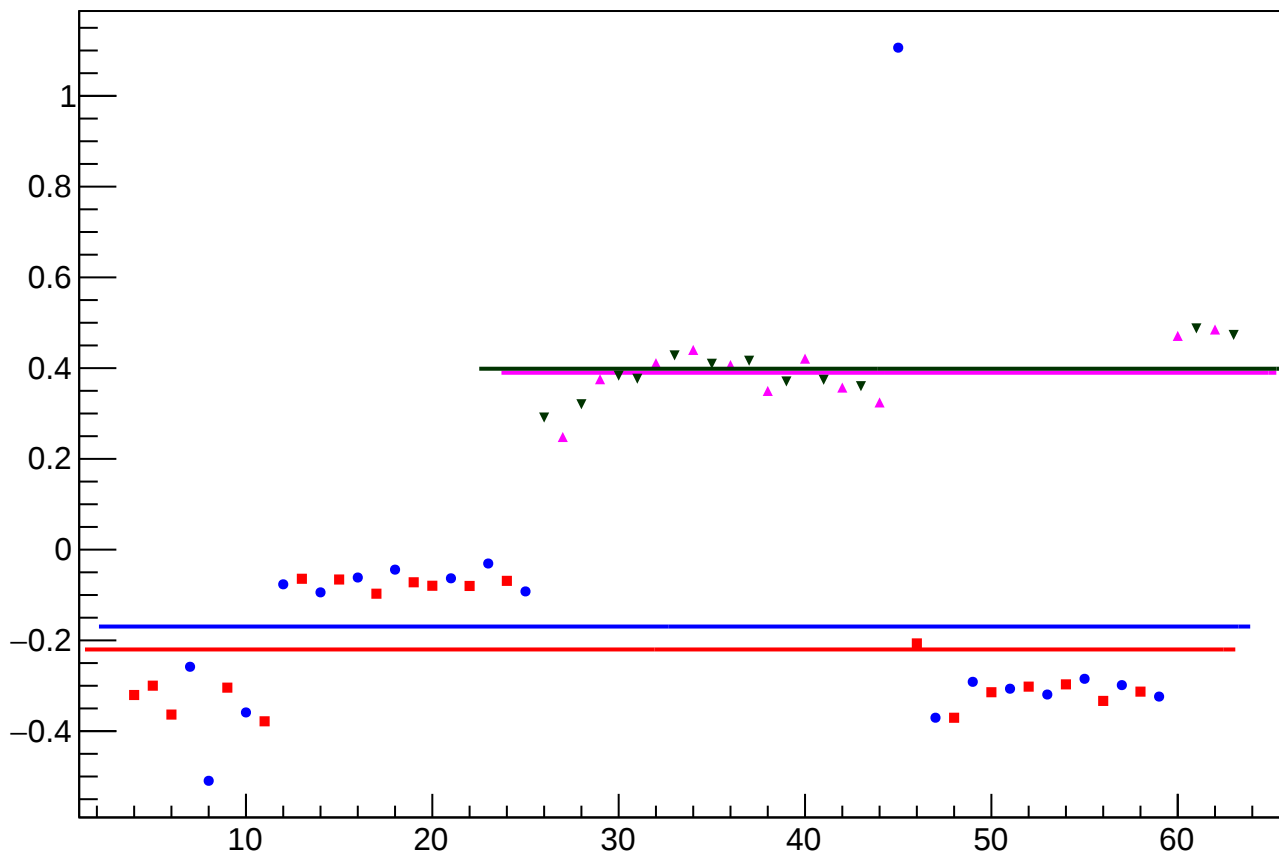
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 44240.5/10

0.007+/-0.000 χ^2/NDF : 156561.2/29

0.007+/-0.000 χ^2/NDF : 141851.0/29

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2/NDF : 37135565875.9/17

Left Out: 0.399+/-0.000 χ^2/NDF :765716068.5/11

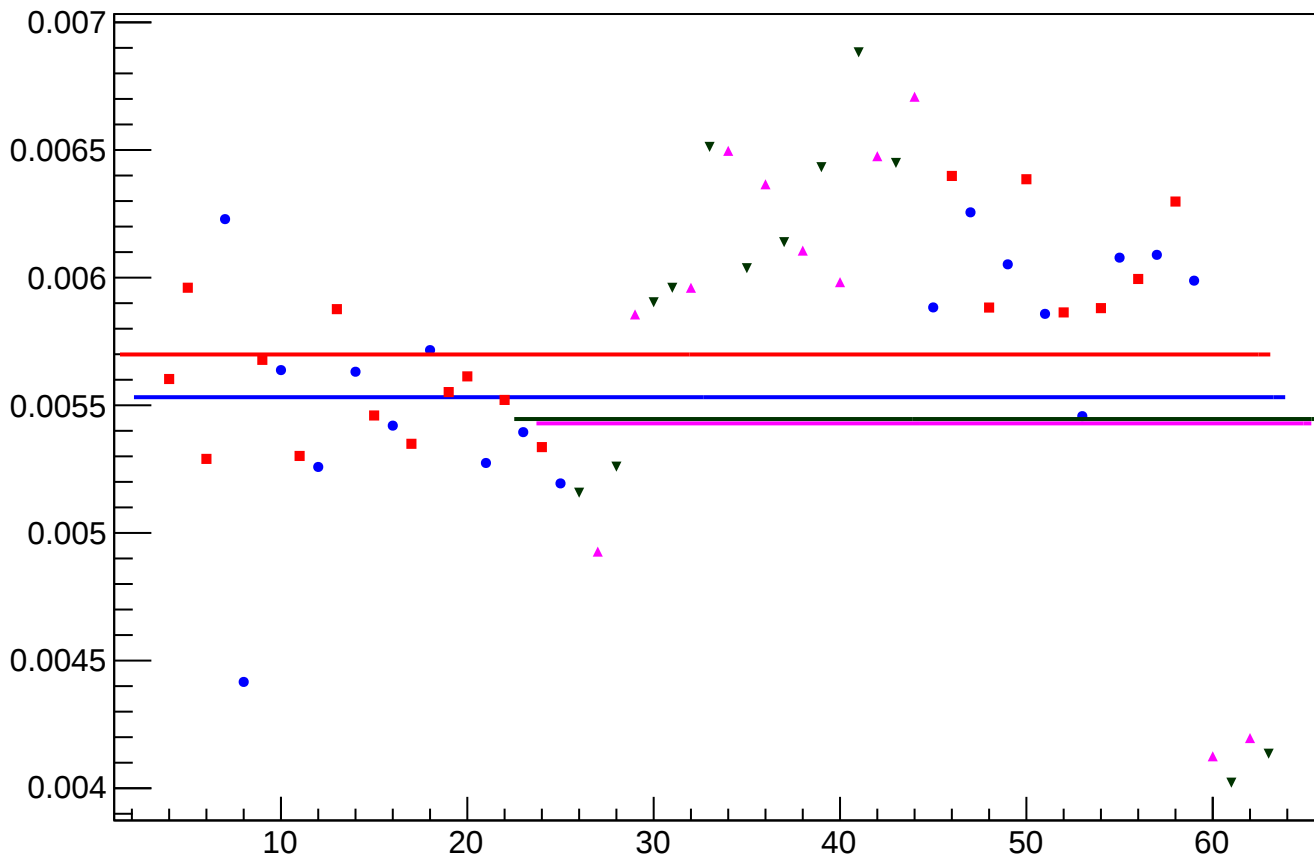
0.034+/-0.000 χ^2/NDF : 78598362487.8/29

Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

0.037+/-0.000 χ^2/NDF : 51860305027.6/29

Left In: 0.390+/-0.000 χ^2/NDF :1261994364.2/10

yield_bpm0l05Y_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 186989.4/17

Left Out: 0.005+/-0.000 χ^2/NDF : 369951.4/11

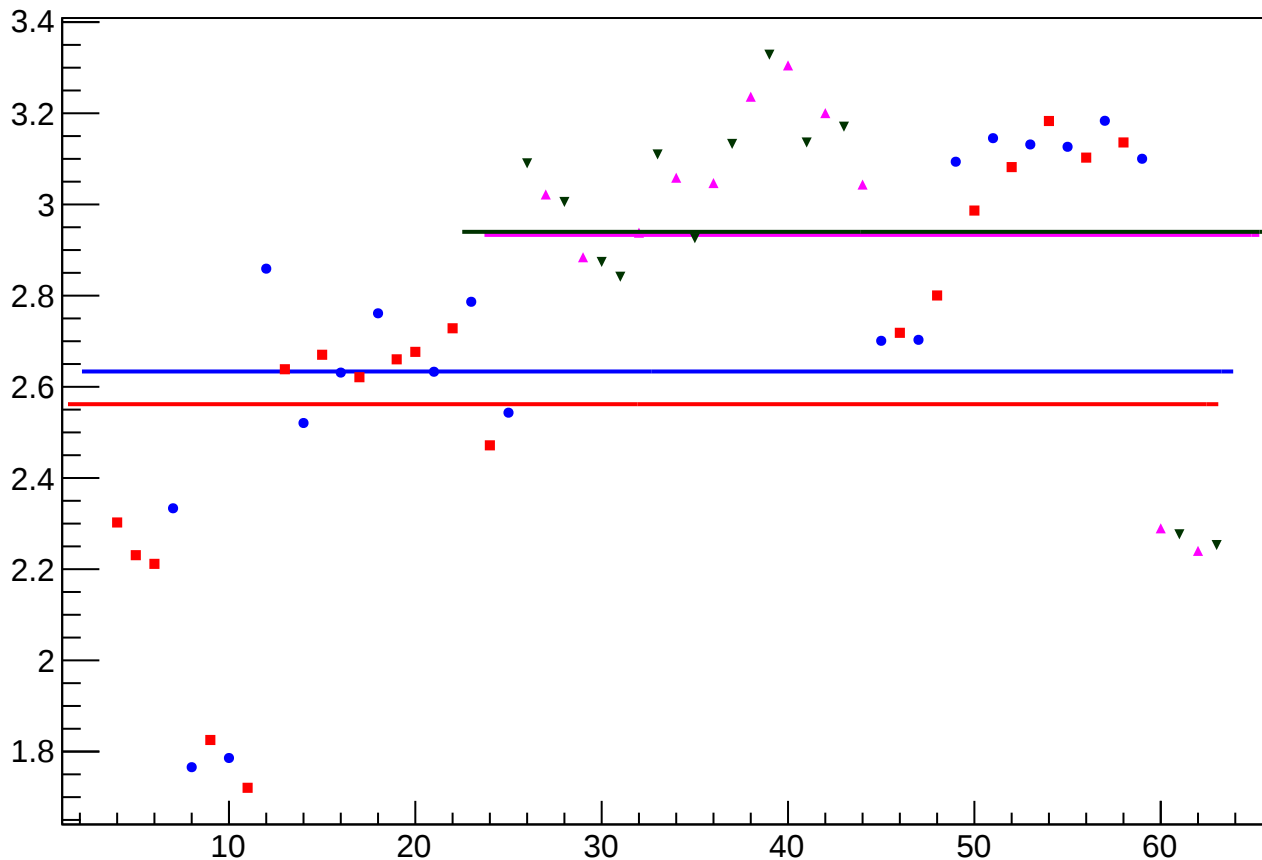
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 356576.0/10

0.006+/-0.000 χ^2/NDF : 558784.9/29

0.006+/-0.000 χ^2/NDF : 440970.1/29

yield_bpm0l06X_mean vs slug



Right In: 2.634 $\pm$ 0.000 χ^2 /NDF: 15879791998.3/17

Left Out: 2.940 $\pm$ 0.000 χ^2 /NDF: 6363686643.8/11

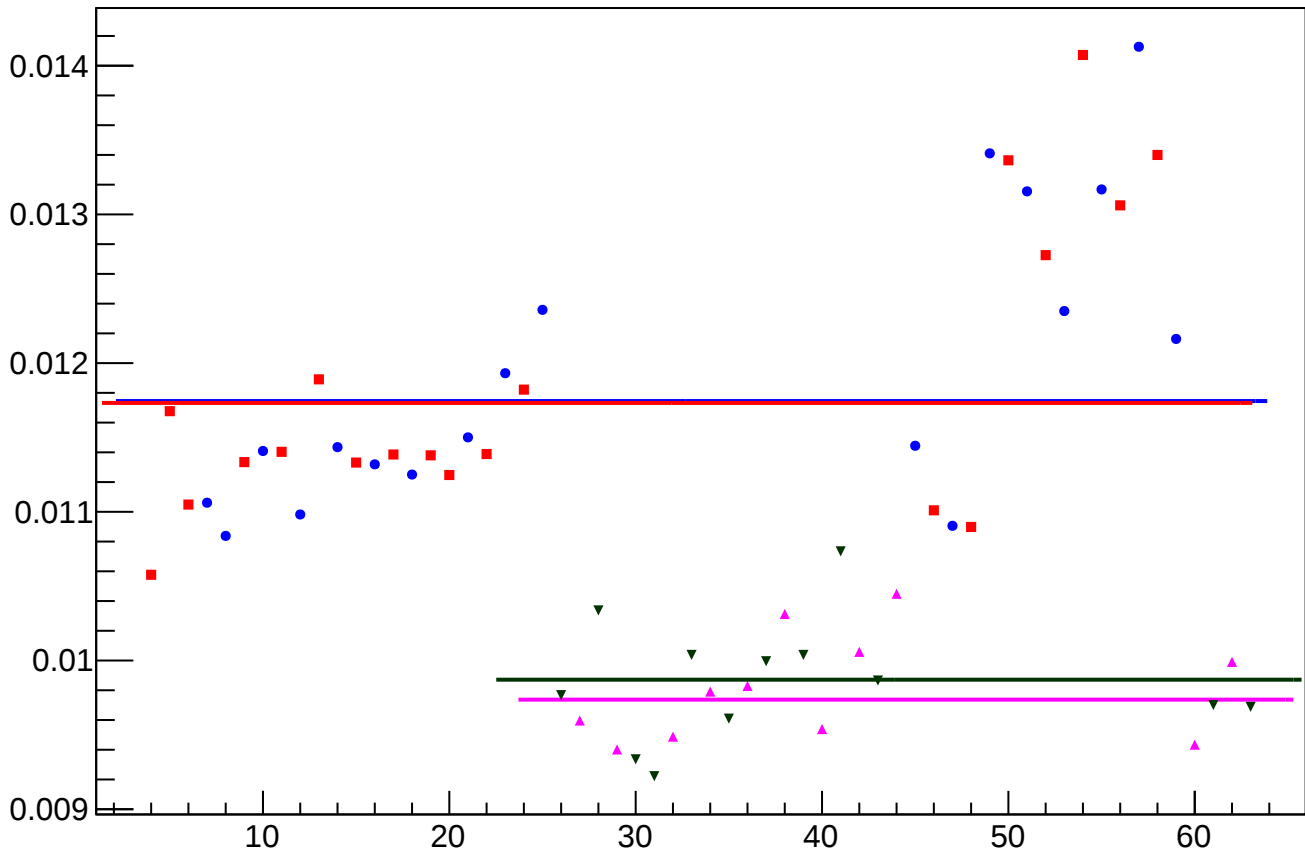
Right Out: 2.562 $\pm$ 0.000 χ^2 /NDF: 12349960173.0/18

Left In: 2.933 $\pm$ 0.000 χ^2 /NDF: 6441494922.1/10

2.770 $\pm$ 0.000 χ^2 /NDF: 25546477525.9/29

2.746 $\pm$ 0.000 χ^2 /NDF: 23570193866.7/29

yield_bpm0l06X_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 117347.2/17

Left Out: 0.010+/-0.000 χ^2/NDF :19534.1/11

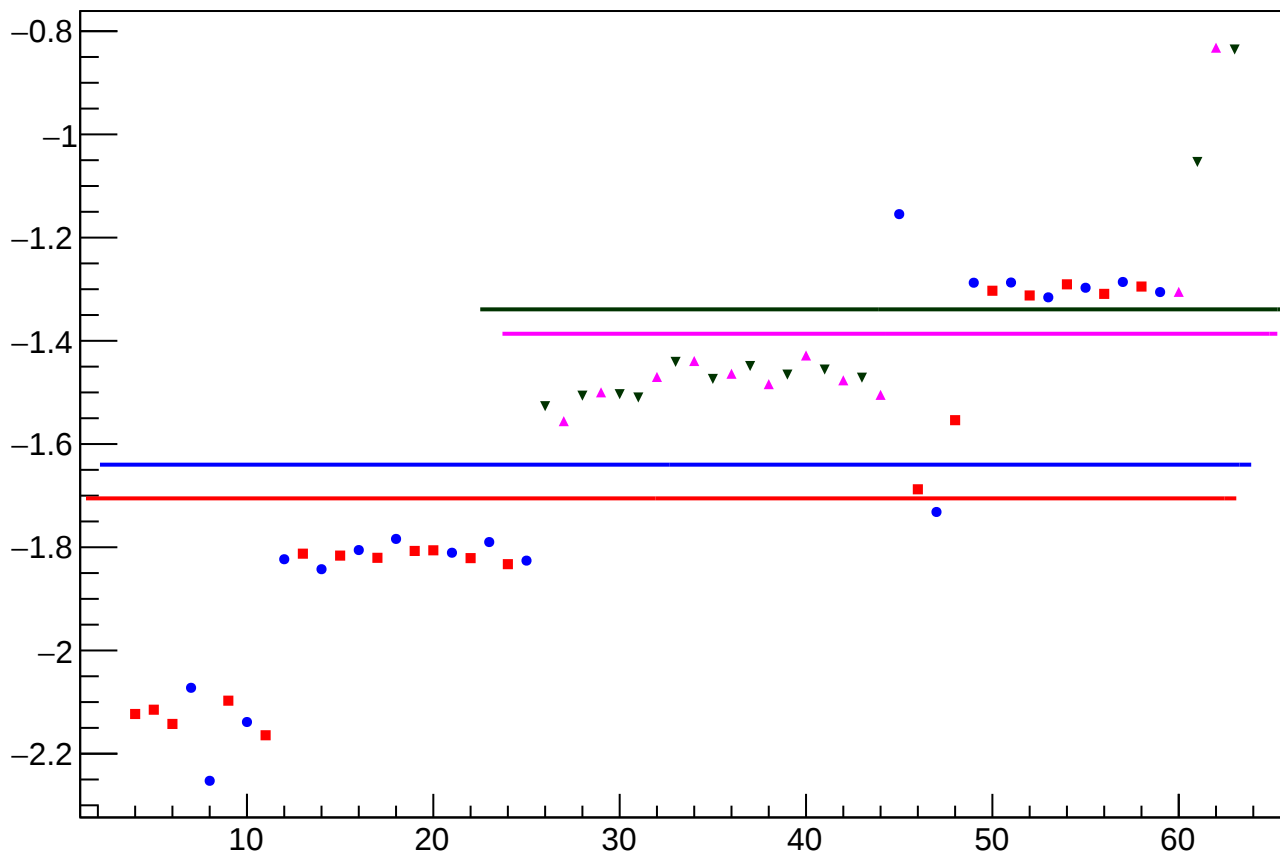
Right Out: 0.012+/-0.000 χ^2/NDF : 107336.5/18

Left In: 0.010+/-0.000 χ^2/NDF :14856.5/10

0.011+/-0.000 χ^2/NDF : 384108.1/29

0.011+/-0.000 χ^2/NDF : 398203.2/29

yield_bpm0l06Y_mean vs slug



Right In: -1.640+/-0.000 χ^2/NDF : 6386201114.5/17

Left Out: -1.339+/-0.000 χ^2/NDF : 14680264681.9/11

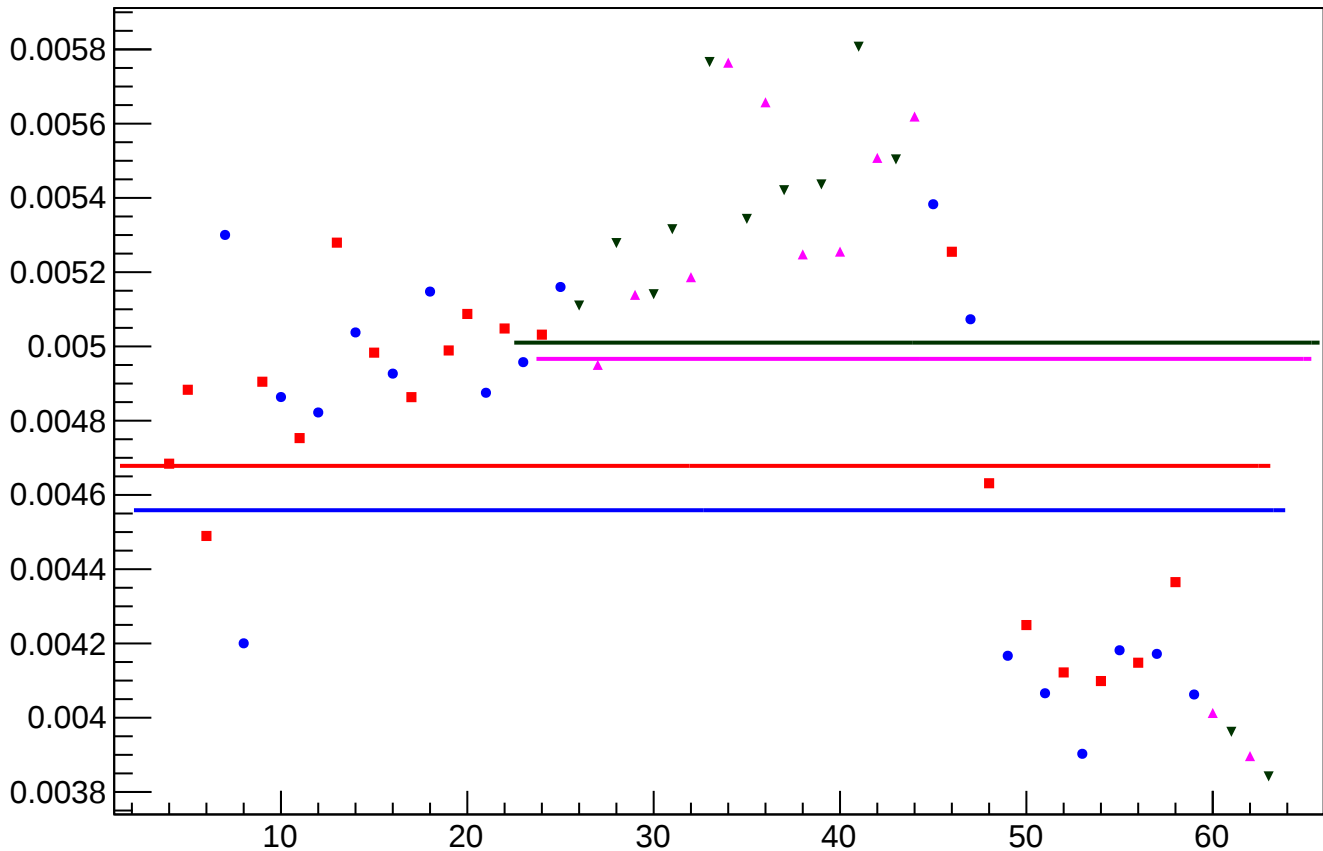
Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.386+/-0.000 χ^2/NDF : 12091961998.4/10

-1.546+/-0.000 χ^2/NDF : 93318819865.3/29

-1.587+/-0.000 χ^2/NDF : 74086081825.2/29

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 228593.7/17

Left Out: 0.005+/-0.000 χ^2/NDF :222441.2/11

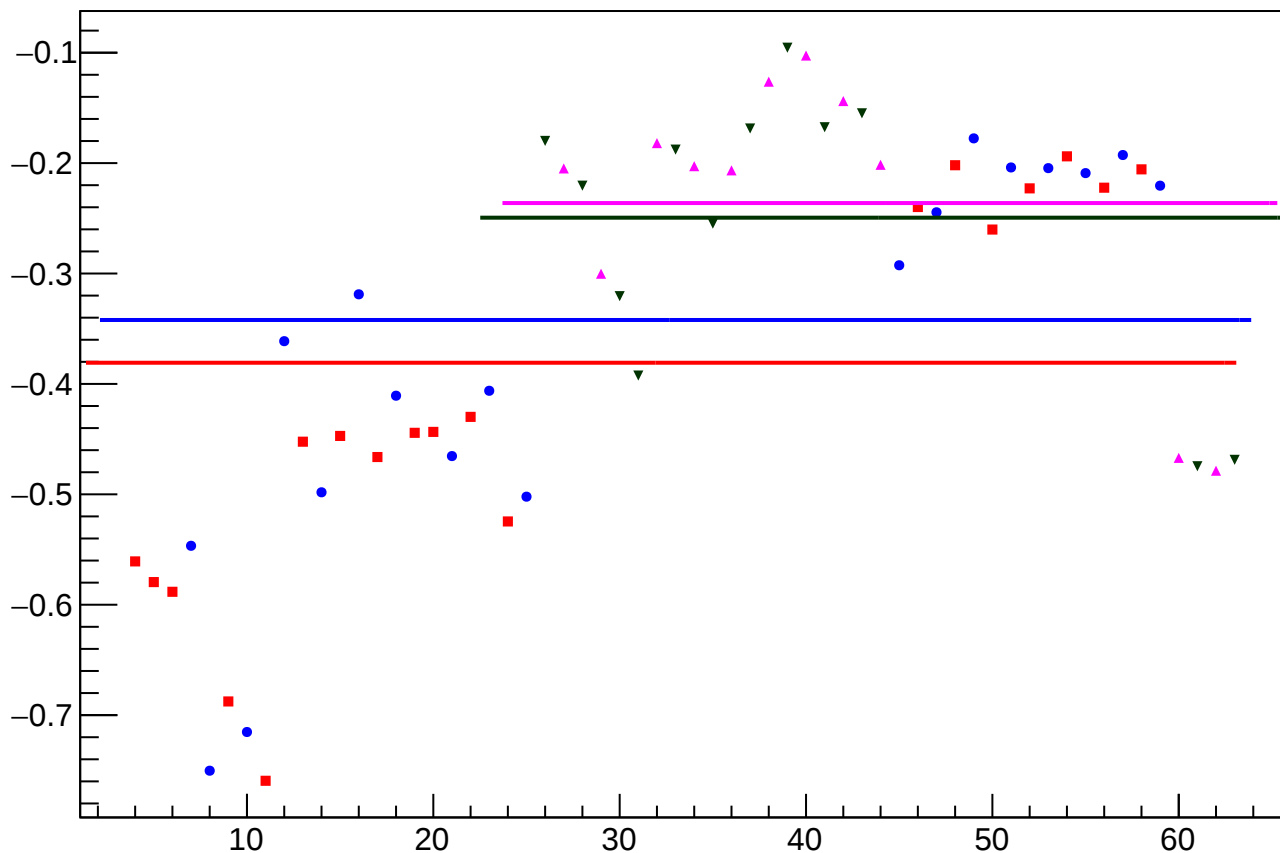
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.005+/-0.000 χ^2/NDF :197603.5/10

0.005+/-0.000 χ^2/NDF : 517510.7/29

0.005+/-0.000 χ^2/NDF : 361090.9/29

yield_bpm0l07X_mean vs slug



Right In: -0.342 ± 0.000 χ^2/NDF : 1669772673.5/17

Left Out: -0.249 ± 0.000 χ^2/NDF : 397788184.4/11

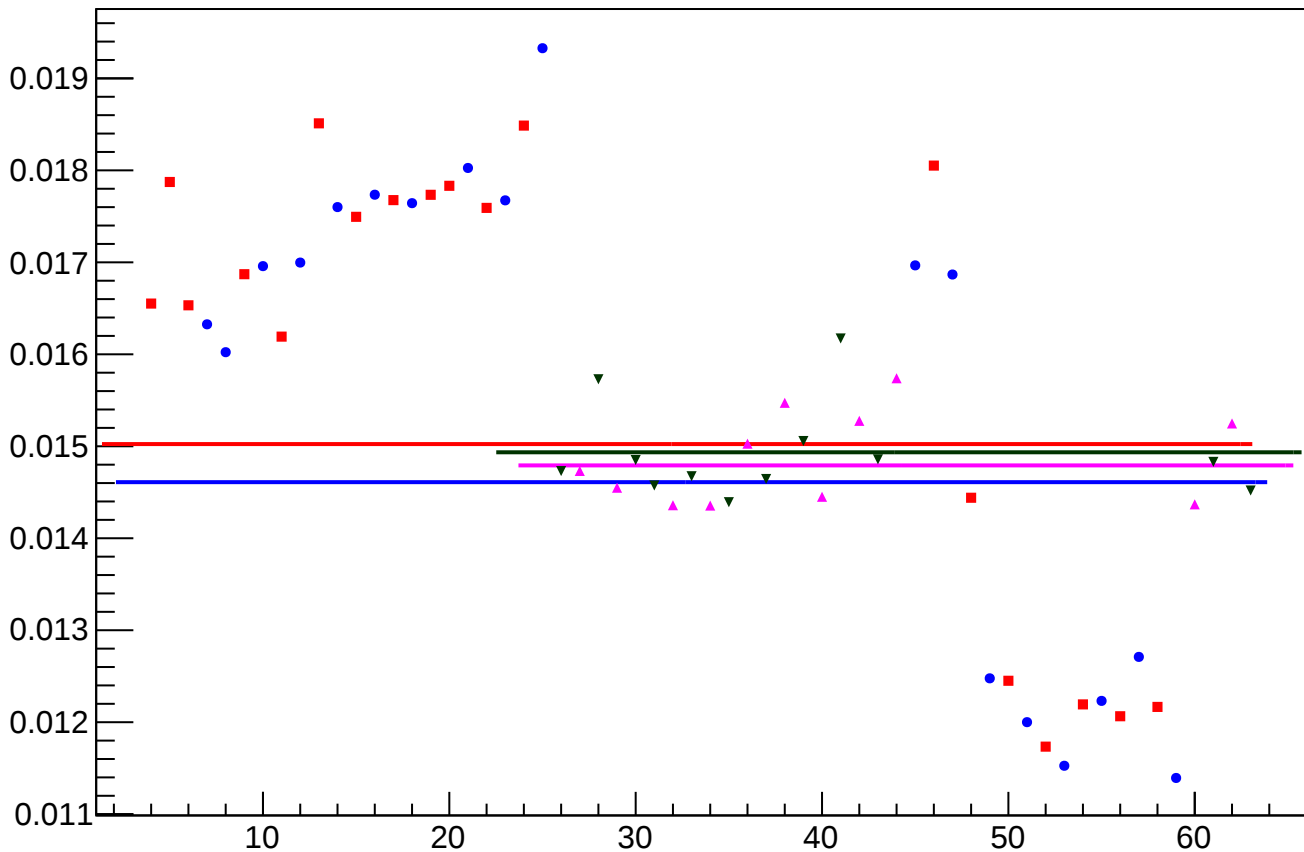
Right Out: -0.381 ± 0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.236 ± 0.000 χ^2/NDF : 379239781.8/10

-0.309 ± 0.000 χ^2/NDF : 2221809652.1/29

-0.320 ± 0.000 χ^2/NDF : 2130917472.5/29

yield_bpm0l07X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 711926.7/17

Left Out: 0.015+/-0.000 χ^2/NDF :14216.4/11

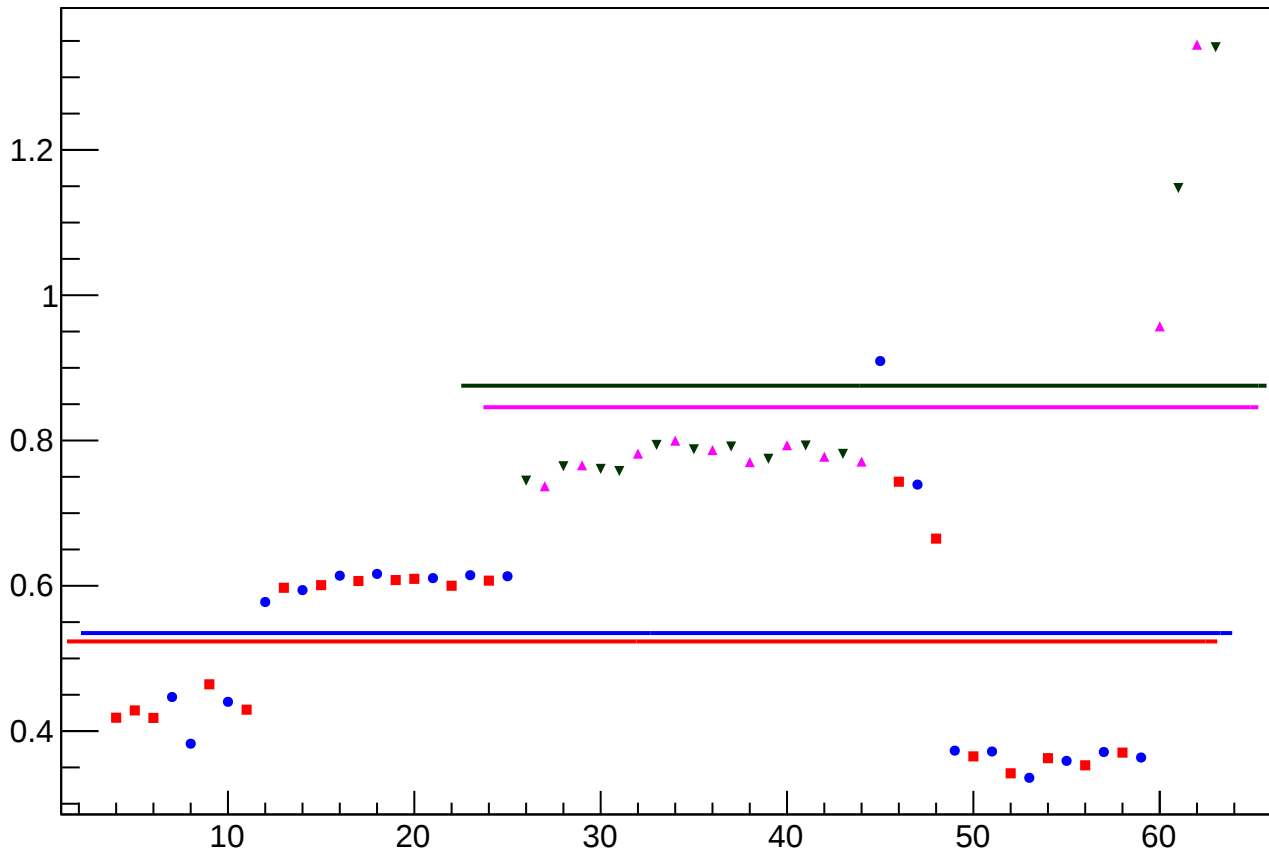
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF :12297.6/10

0.015+/-0.000 χ^2/NDF : 729932.6/29

0.015+/-0.000 χ^2/NDF : 587955.7/29

yield_bpm0l07Y_mean vs slug



Right In: 0.535+/-0.000 χ^2/NDF : 21231144094.8/17

Left Out: 0.875+/-0.000 χ^2/NDF : 25073247758.1/11

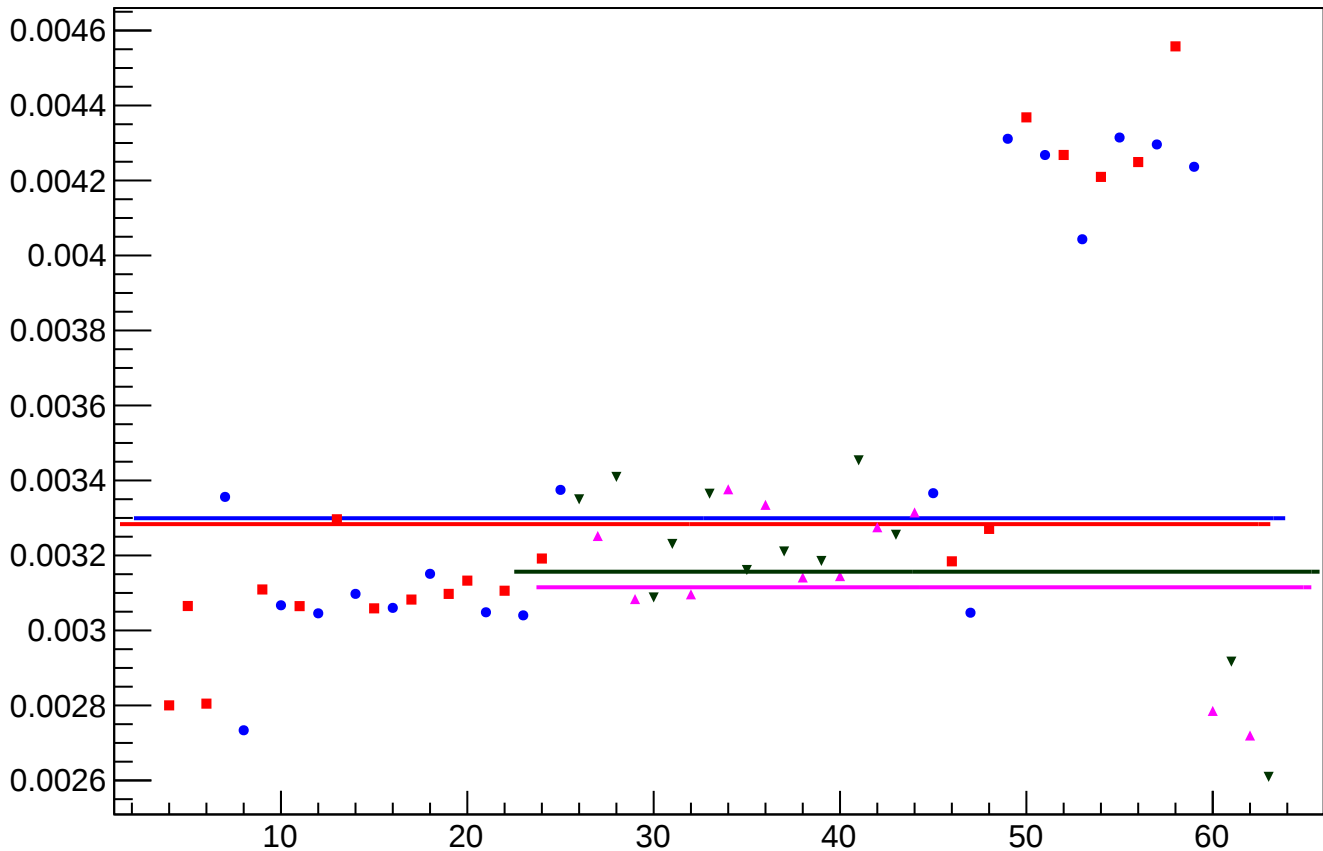
Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

Left In: 0.846+/-0.000 χ^2/NDF : 19686325381.8/10

0.665+/-0.000 χ^2/NDF : 89936048697.9/29

0.663+/-0.000 χ^2/NDF : 70638141050.9/29

yield_bpm0l07Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 497565.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 75768.1/11

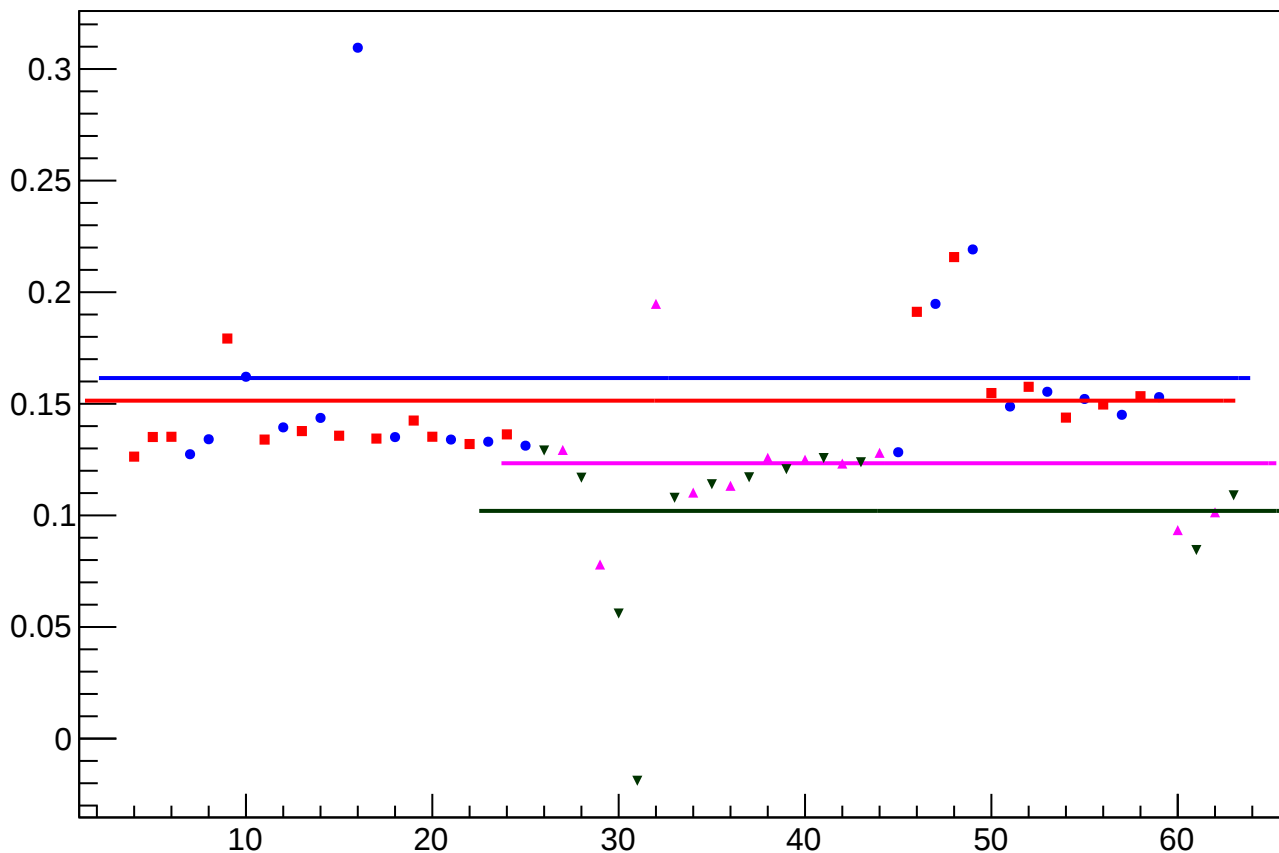
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF : 53815.1/10

0.003+/-0.000 χ^2/NDF : 588643.9/29

0.003+/-0.000 χ^2/NDF : 457615.9/29

yield_bpm0l08X_mean vs slug



Right In: 0.162+/-0.000 χ^2/NDF : 94764439.1/17

Left Out: 0.102+/-0.000 χ^2/NDF : 43375033.5/11

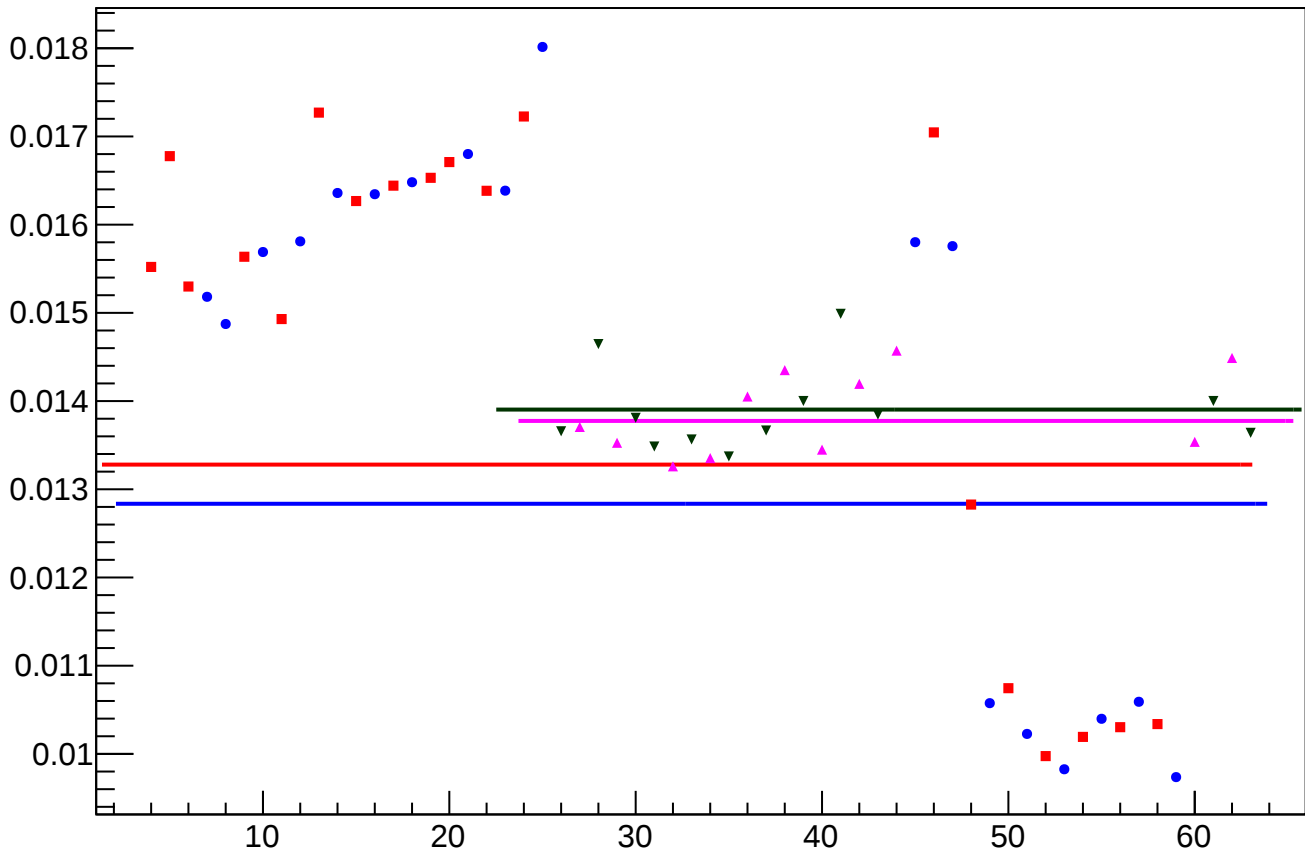
Right Out: 0.151+/-0.000 χ^2/NDF : 22463584.0/18

Left In: 0.123+/-0.000 χ^2/NDF : 39538214.0/10

0.141+/-0.000 χ^2/NDF : 214060347.4/29

0.140+/-0.000 χ^2/NDF : 78339413.7/29

yield_bpm0l08X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 1088247.1/17

Left Out: 0.014+/-0.000 χ^2/NDF :13853.6/11

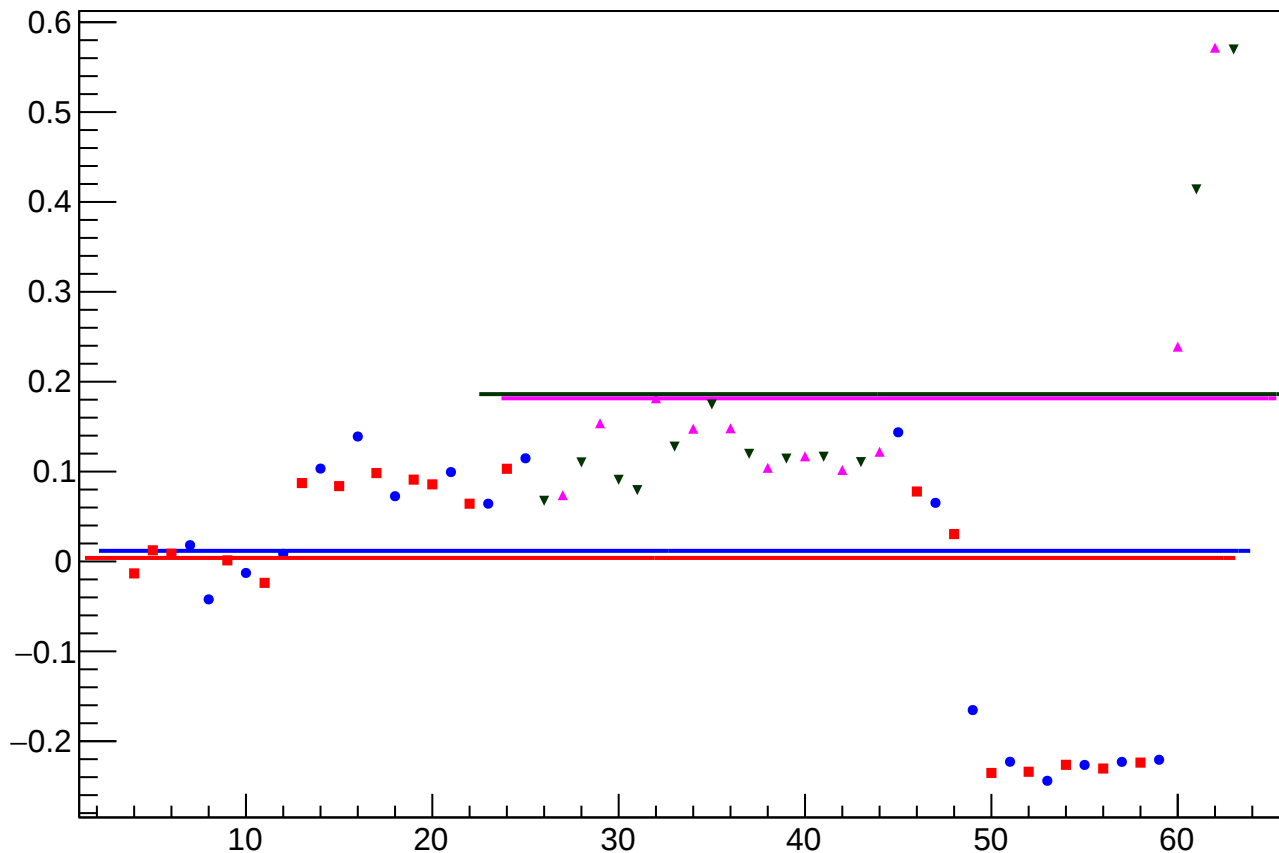
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF :13435.7/10

0.013+/-0.000 χ^2/NDF : 1150981.5/29

0.013+/-0.000 χ^2/NDF : 913632.9/29

yield_bpm0l08Y_mean vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 12179192870.2/17

Left Out: 0.186+/-0.000 χ^2/NDF :15278004497.7/11

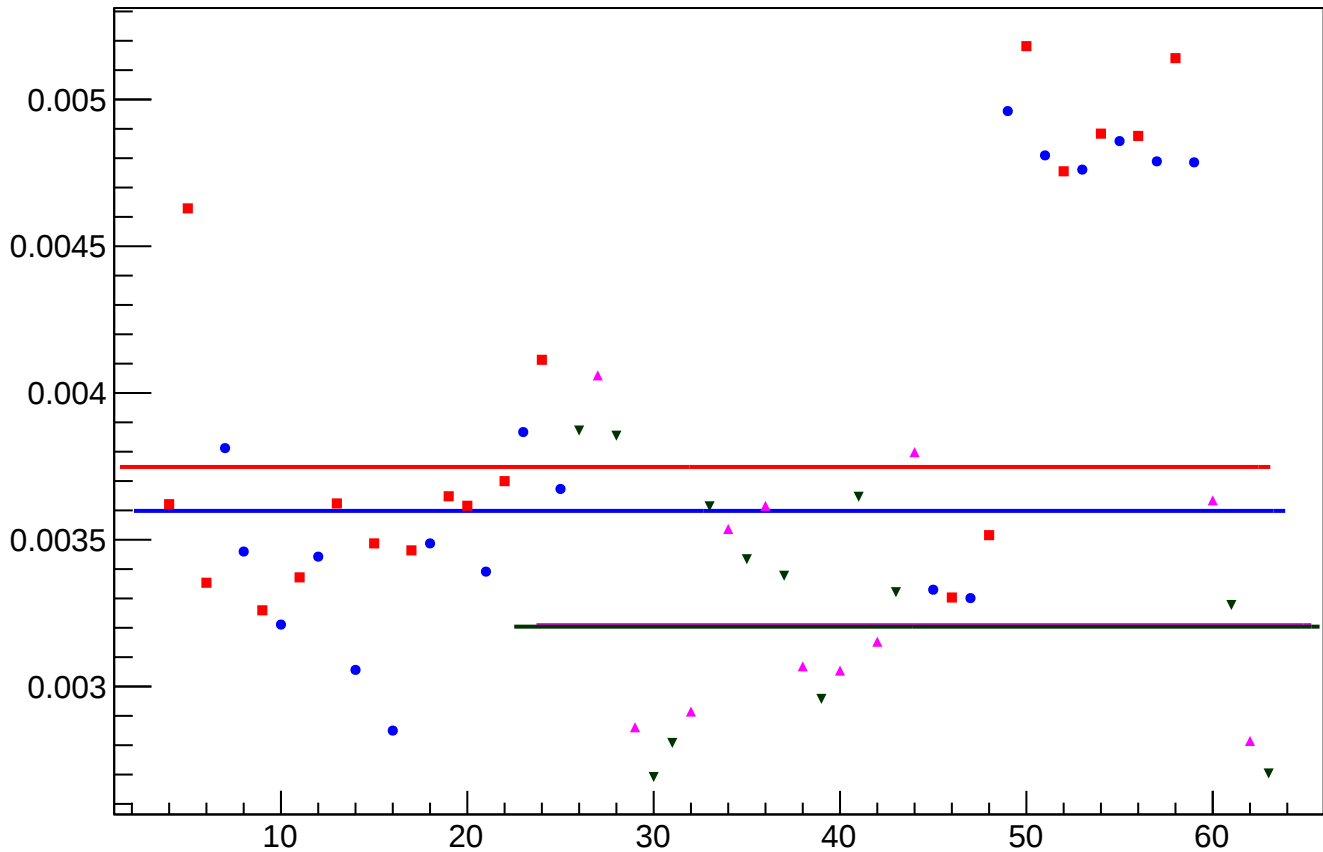
Right Out: 0.004+/-0.000 χ^2/NDF : 7924148421.7/18

Left In: 0.181+/-0.000 χ^2/NDF :10540991123.8/10

0.085+/-0.000 χ^2/NDF : 37677783576.2/29

0.090+/-0.000 χ^2/NDF : 28431839435.9/29

yield_bpm0l08Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 672957.8/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:197338.4/11

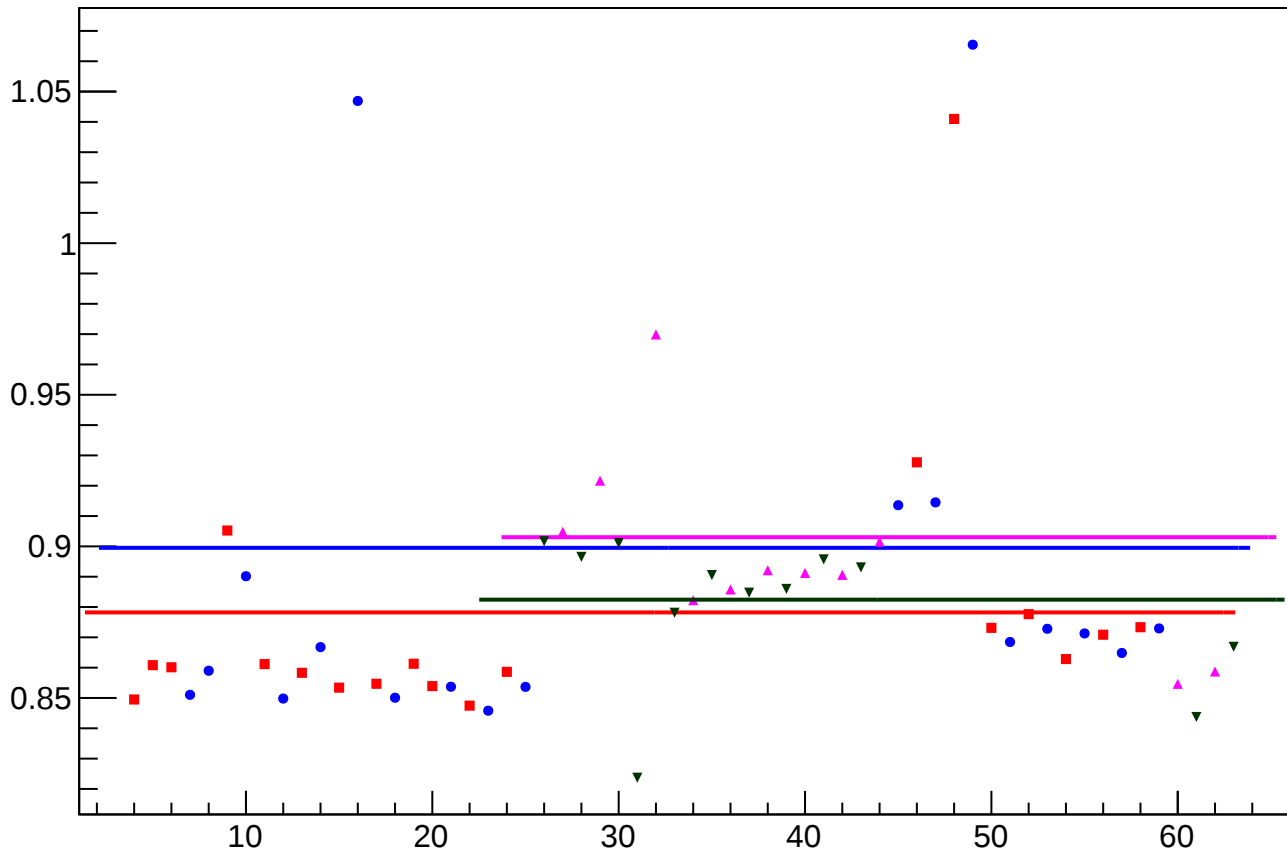
0.003 $\pm$ 0.000 χ^2 /NDF: 974892.3/29

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 427283.7/18

0.003 $\pm$ 0.000 χ^2 /NDF: 805121.0/29

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:194435.9/10

yield_bpm0l09X_mean vs slug



Right In: 0.900+/-0.000 χ^2/NDF : 324904340.4/17

Left Out: 0.882+/-0.000 χ^2/NDF : 14855766.7/11

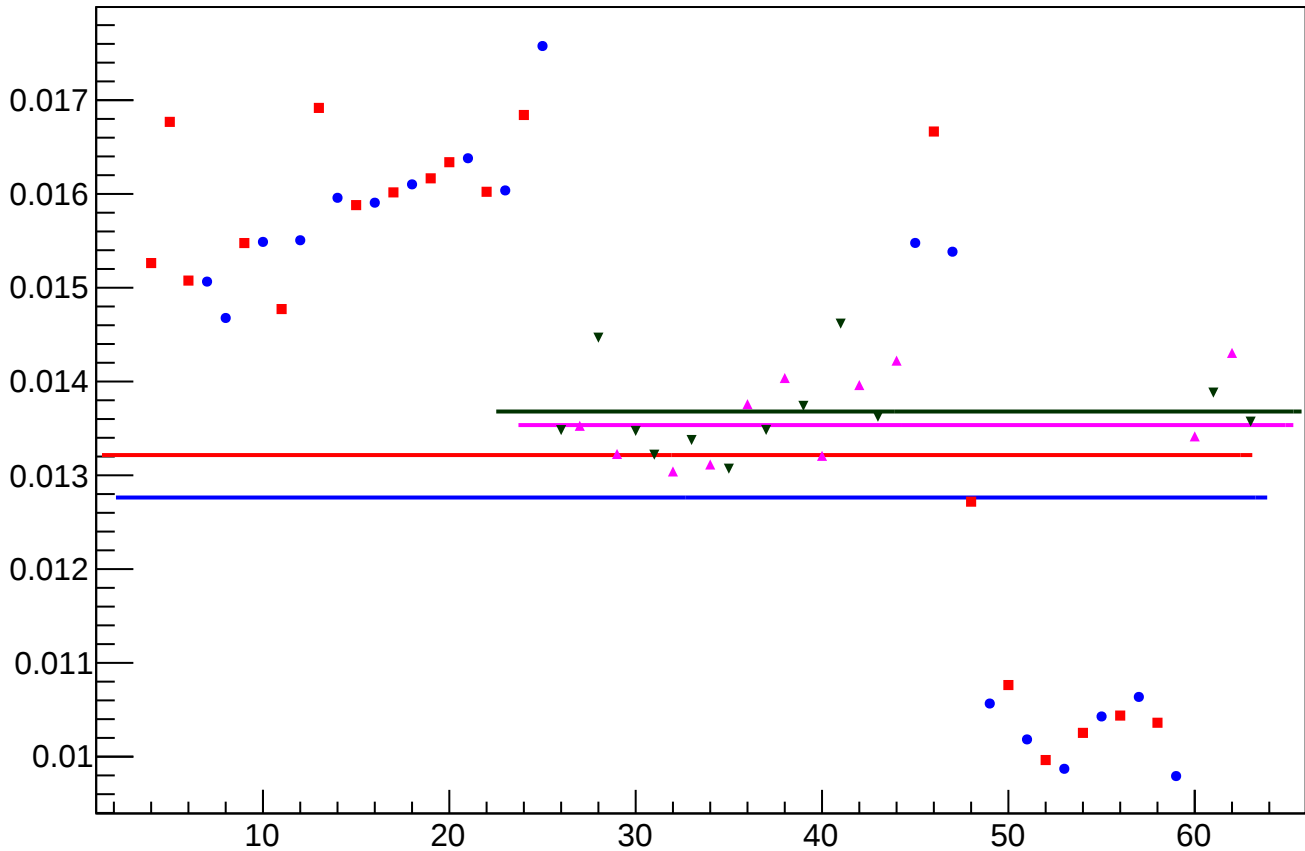
Right Out: 0.878+/-0.000 χ^2/NDF : 92356263.0/18

Left In: 0.903+/-0.000 χ^2/NDF : 39096255.4/10

0.894+/-0.000 χ^2/NDF : 346189909.4/29

0.888+/-0.000 χ^2/NDF : 144568459.4/29

yield_bpm0l09X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 980141.4/17

Left Out: 0.014+/-0.000 χ^2/NDF :13558.9/11

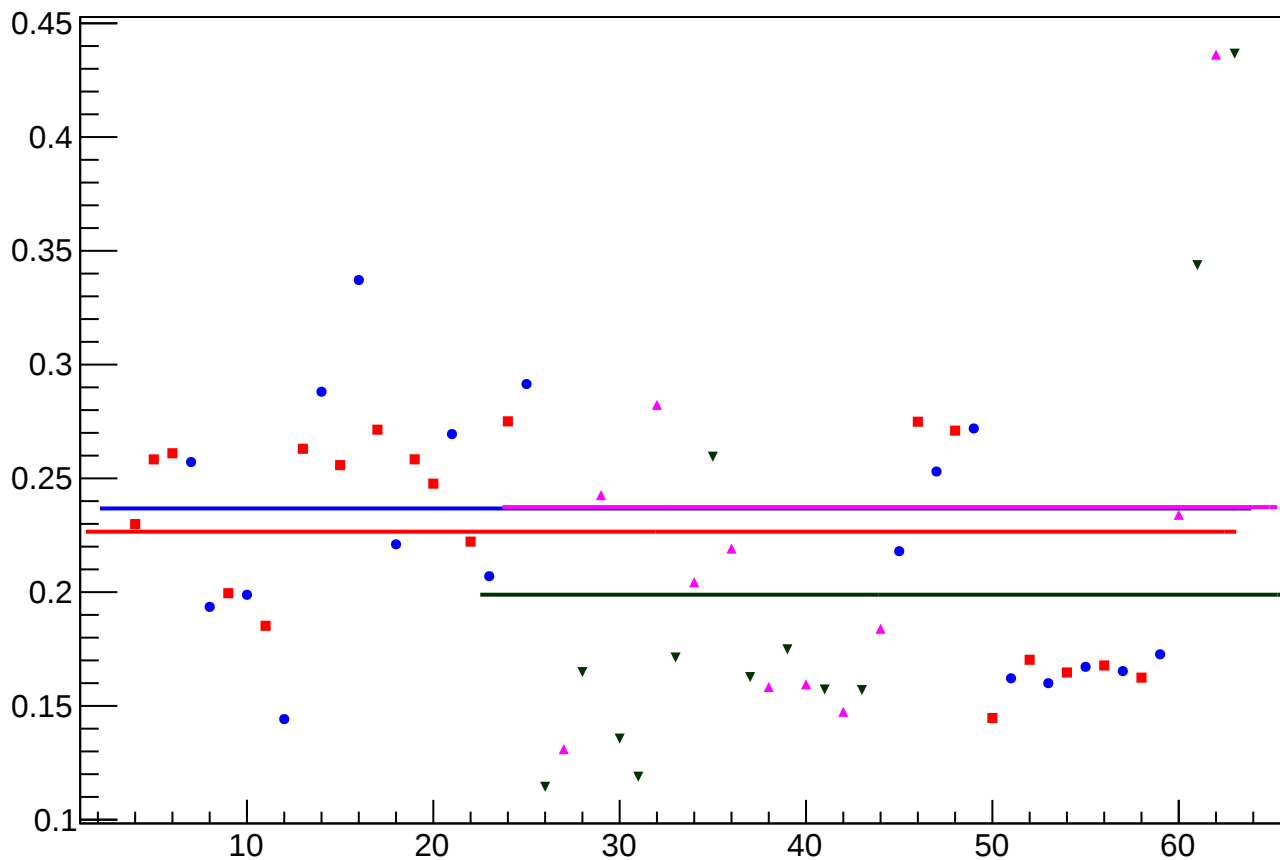
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF :12804.2/10

0.013+/-0.000 χ^2/NDF : 1030682.0/29

0.013+/-0.000 χ^2/NDF : 816007.8/29

yield_bpm0l09Y_mean vs slug



Right In: 0.237+/-0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.199+/-0.000 χ^2/NDF : 5281984110.6/11

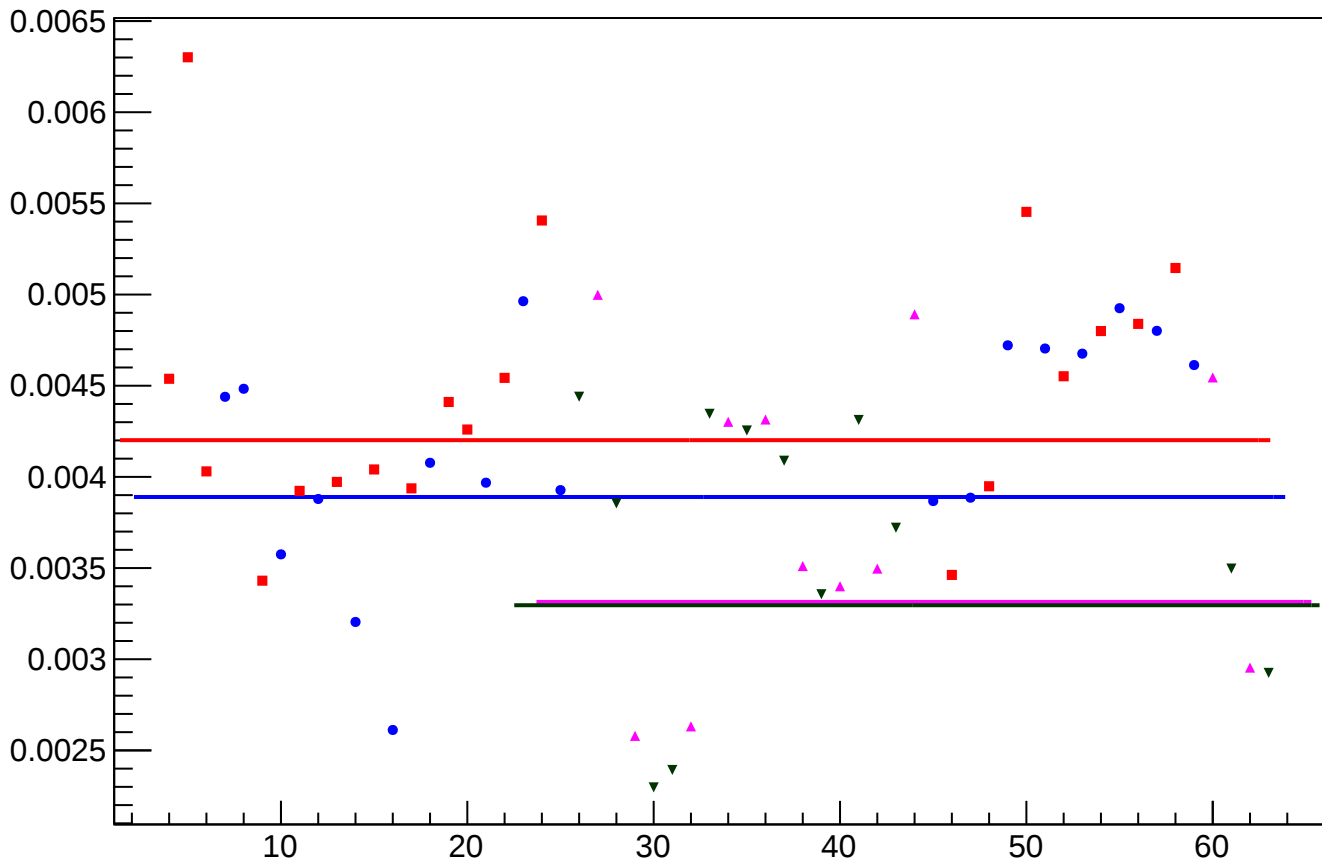
Right Out: 0.227+/-0.000 χ^2/NDF : 943883207.4/18

Left In: 0.237+/-0.000 χ^2/NDF : 3532639938.4/10

0.221+/-0.000 χ^2/NDF : 8111274137.5/29

0.232+/-0.000 χ^2/NDF : 4506900107.7/29

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 695729.3/17

Left Out: 0.003+/-0.000 χ^2/NDF : 616419.9/11

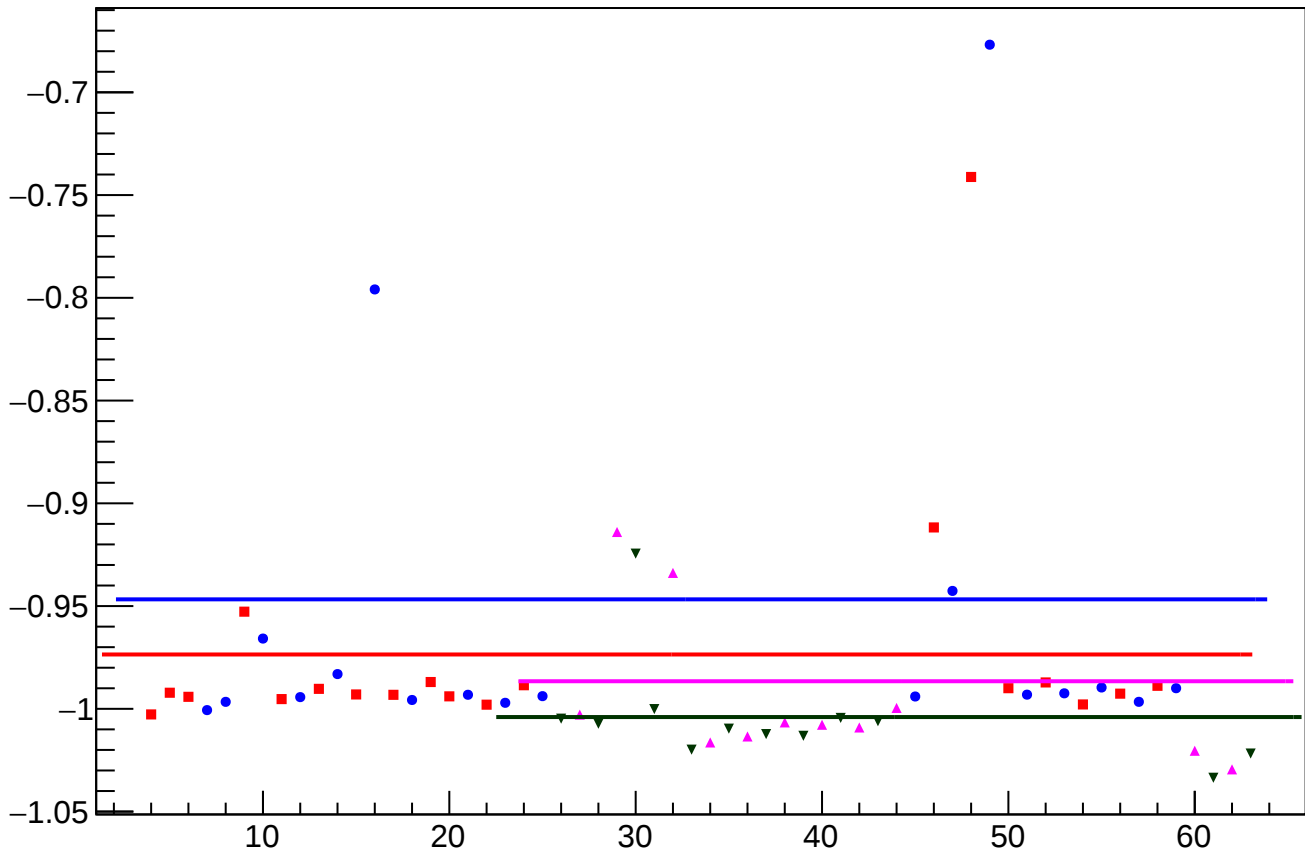
Right Out: 0.004+/-0.000 χ^2/NDF : 341340.8/18

Left In: 0.003+/-0.000 χ^2/NDF : 705516.0/10

0.004+/-0.000 χ^2/NDF : 1517029.1/29

0.004+/-0.000 χ^2/NDF : 1455620.2/29

yield_bpm0l10X_mean vs slug



Right In: -0.947 ± 0.000 χ^2/NDF : 662253046.3/17

Left Out: -1.004 ± 0.000 χ^2/NDF : 24217352.4/11

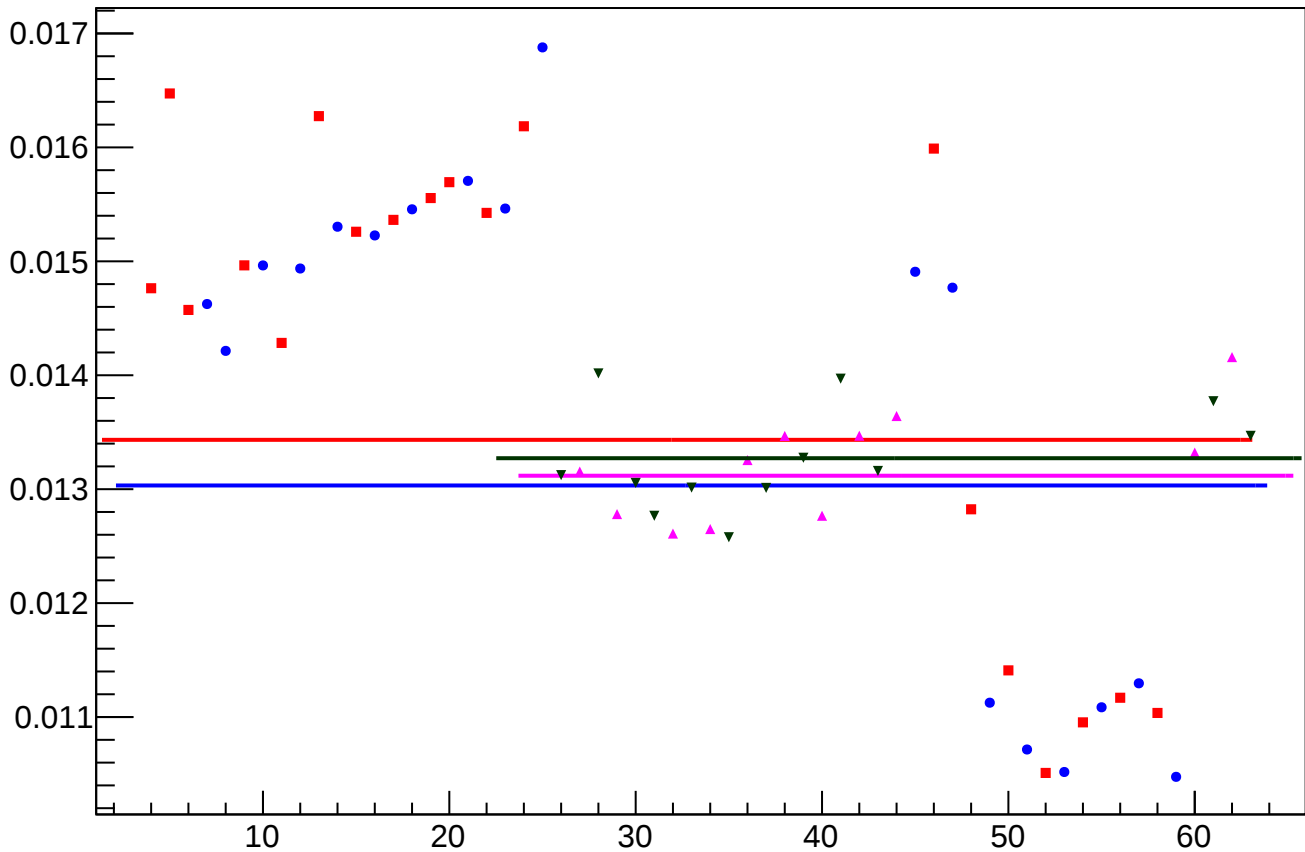
Right Out: -0.974 ± 0.000 χ^2/NDF : 174691792.1/18

Left In: -0.987 ± 0.000 χ^2/NDF : 60551030.5/10

-0.967 ± 0.000 χ^2/NDF : 760723114.6/29

-0.979 ± 0.000 χ^2/NDF : 238960376.1/29

yield_bpm0l10X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 587832.0/17

Left Out: 0.013+/-0.000 χ^2/NDF :13761.7/11

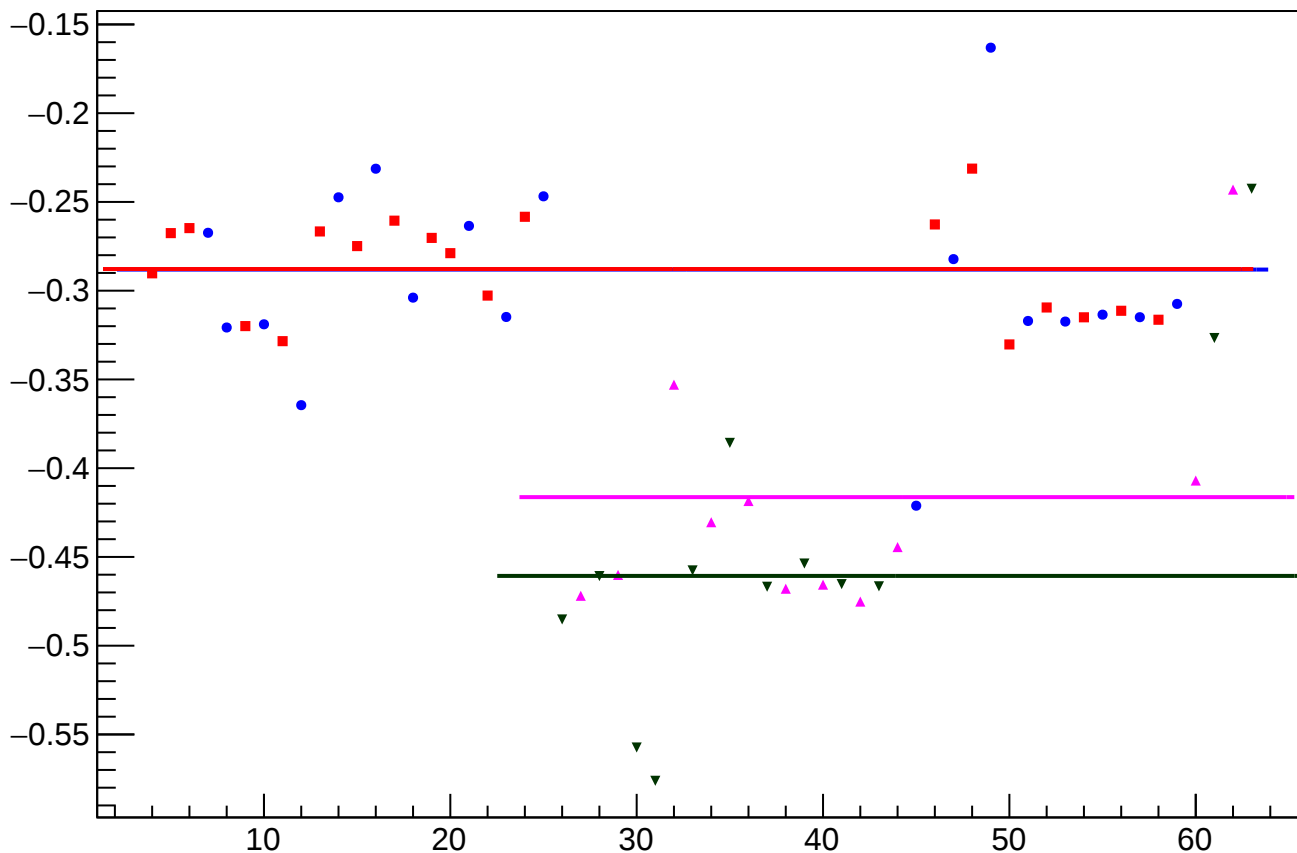
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF :14424.8/10

0.013+/-0.000 χ^2/NDF : 604186.2/29

0.013+/-0.000 χ^2/NDF : 498018.1/29

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.461+/-0.000 χ^2/NDF : 5306826442.4/11

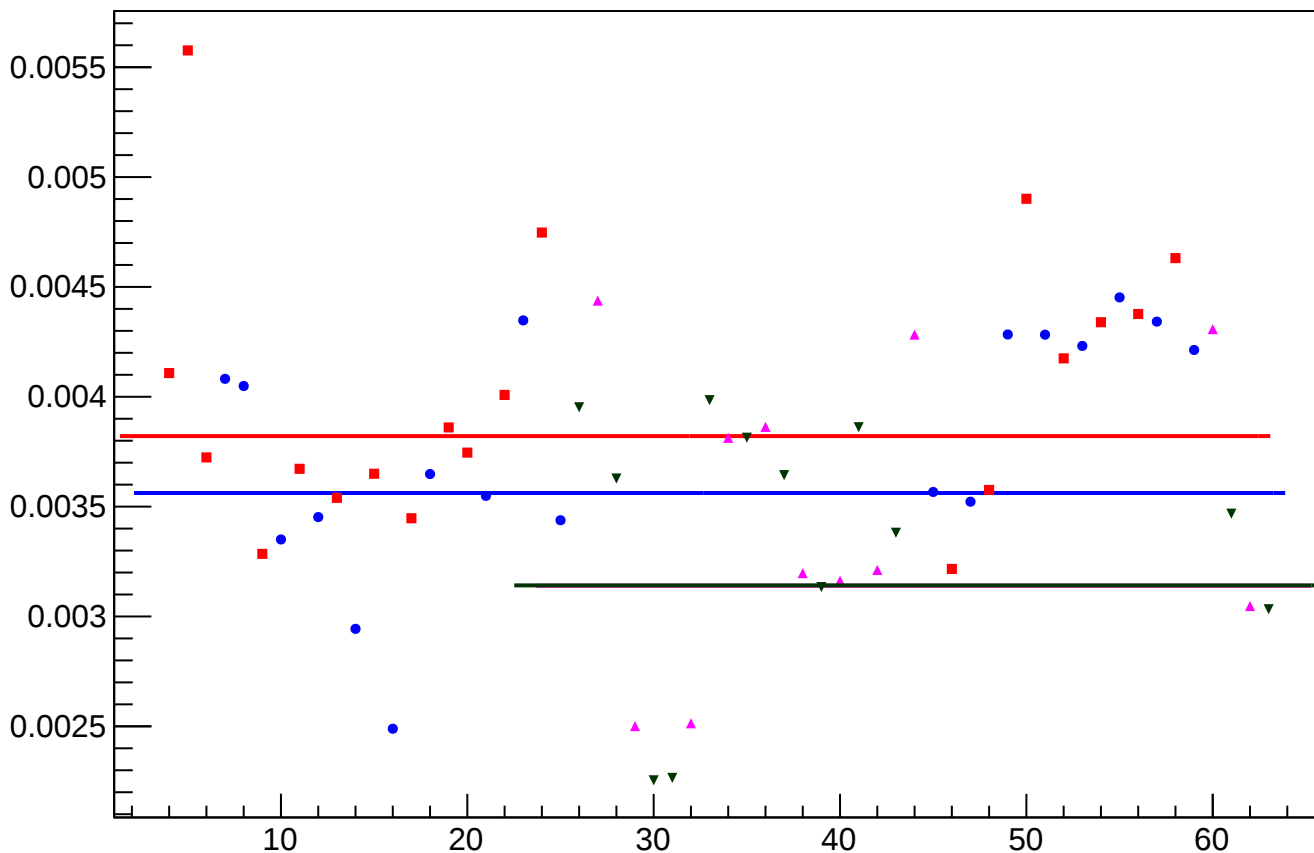
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.416+/-0.000 χ^2/NDF : 2777718816.9/10

-0.359+/-0.000 χ^2/NDF : 17944552516.4/29

-0.351+/-0.000 χ^2/NDF : 8361880288.9/29

yield_bpm0l10Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 588741.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 472115.1/11

Right Out: 0.004+/-0.000 χ^2/NDF : 282191.6/18

Left In: 0.003+/-0.000 χ^2/NDF : 545362.5/10

0.003+/-0.000 χ^2/NDF : 1180017.1/29

0.003+/-0.000 χ^2/NDF : 1112473.9/29